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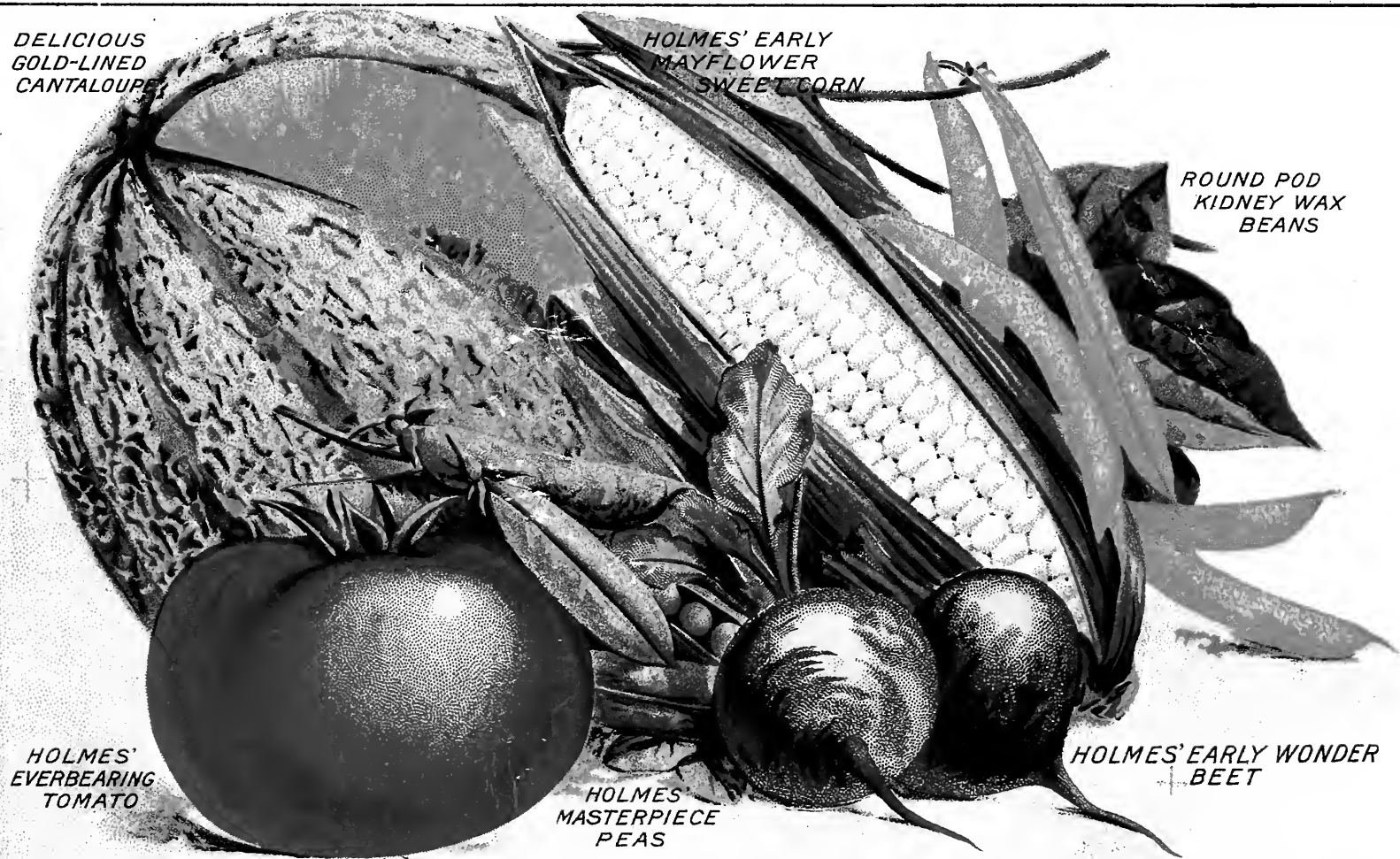
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HOLMES'

- TESTED SEEDS -

19 20

TESTED
SEEDS
OF
KNOWN VITALITY
AND
PURITY



STEECHER CO. ROCHESTER, N.Y.

FOR FULL DESCRIPTION OF THIS COLLECTION SEE SECOND PAGE OF COVER.

HOLMES SEED CO.

106-108 SOUTH SECOND STREET,
HARRISBURG, PA.

BOTH COVER
COLLECTIONS

50c
COMPLETE

GRAND TRIAL OFFER

HOLMES' FLOWER AND VEGETABLE COVER COLLECTIONS OF TESTED SEEDS

BOTH COVER
COLLECTIONS

50c
COMPLETE



Have you ever planted any of HOLMES' TESTED SEEDS? If not, we want you to give these collections a trial this year, and be convinced that HOLMES' SEEDS ARE "SEEDS OF KNOWN VITALITY AND PURITY."

The Vegetable Seed Collection, if bought separately, one (1) packet each would cost you 65c, but if purchased as the Vegetable Cover Collection, it will cost you 40c.

The Back Cover Collection, if bought separately, would cost you 25c, but if purchased as the Flower Seed Cover Collection, it will cost you 15c.

If you prefer to have both the vegetable and flower seed collections, we will send them to you postpaid for 50c. These collections contain the following latest introductions, which are described below.

The main reason of our wanting you to try the HOLMES' COVER COLLECTIONS is that you will have the result of twenty-four years experience in trying to obtain the best. Another reason—these collections are packed before the busy season begins and they are made up with the view of giving extraordinary value for the price.

NEW ENGLISH PEA, LITTLE MARVEL

Still another year's experience makes us hold this distinct, new, dwarf first-early in even higher esteem. We are sure that as soon as American gardeners, whether for pleasure or profit, become acquainted with Little Marvel, they will drop both Little Gem and Nott's Excelsior, popular as these two varieties are today. The vines of dwarf, even growth average 15 inches in height and are heavily set with fine pods, frequently borne in pairs. The pods average 2½ inches in length, are square at the bottom and well filled with six to seven quite large, deep green Peas. The Peas are ready for the table fully as early as American Wonder or Nott's Excelsior, while the pods are larger and the vines produce a much heavier crop. All who desire a fine early crop of the choicest quality wrinkled Peas will be delighted with Little Marvel.

Price per pkt. 10c; lb. 40c; 2 lbs. 70c, postpaid.

NEW ROUND-POD KIDNEY OR BRITTLE WAX BEAN

The Meatiest, Crispest, Most Brittle and Entirely Stringless Bean Grown

Our customers have frequently asked for a round-podded Wax Bean, possessing the excellent market and shipping qualities of the popular Wardwell's Kidney Wax, and this is the first Bean we have ever discovered that will fill the bill. The plant grows tall, strong and sturdy, with long, round, handsome, stringless pods of large size, very solid and full of meat; crisp, brittle and free from rust; wonderfully early and productive. See illustration. Price per pkt. 10c; lb. 35c; 2 lbs. 60c, postpaid.

DELICIOUS GOLD-LINED CANTALOUPE

We have said so much at different times about our select stock of this splendid strain of Rocky Ford, that our friends hardly need a further introductory. It is the acme of perfection in the green-fleshed strains, and we are keeping it right up to date.

Price per pkt. 10c; oz. 20c; ¼ lb. 60c; lb. \$2.00, postpaid.

SPENCER SWEET PEAS

Our strain of Spencer type of sweet peas are grown especially for us by one of the best experts in the country and we can recommend this mixture as being absolutely fresh and true to name. Many of the latest types and colors are given in this mixture and will be a revelation to the lover of sweet peas as they are of size and form never dreamed of before. Price liberal pkt. 10c; oz. 35c; ¼ lb. \$1.25, postpaid.

Our friends who have never used our seeds will be convinced after giving these collections a trial that they have at last succeeded in getting seeds that will grow. We want you to give these collections a trial and if successful, place with us your general order the following year, or a portion of it this year, in addition to the collections.

HOLMES' EARLY MAYFLOWER SWEET CORN

This new sweet corn is one of the most valuable sweet corns offered in many years. The ears measure 8 to 10 inches, is earlier than Premo, symmetrical shape, with 10 to 12 even rows of broad and very deep grains, covering the small cob from heel to tip. The stalks average from 6 to 7 feet in height, but this depends largely on the soil where planted. It is a full cropper, thrifty, hardy and prolific, generally bearing two well developed ears to every stalk. Price per pkt. 15c; lb. 40c; 2 lbs. 70c; postpaid.

HOLMES' EARLY WONDER BLOOD TURNIP BEET

The earliest and decidedly the handsomest distinct new Beet in cultivation

The Holmes' Early Wonder Beet is well represented in the illustration given. It is of true, turnip shape, has a single tap root, a smooth skin, a rich, tender quality and is free from the woodiness so often found in early varieties. It is ready to use in 45 days from time of planting and does not become coarse or stringy with large size like other varieties. Price per pkt. 10c; oz. 25c; ¼ lb. 60c; lb. \$2.00; postpaid.

HOLMES' EVERBEARING TOMATO

The Earliest, Largest, Most Prolific and Meatiest Red Tomato Grown

This wonderfully prolific, new Tomato was introduced by Holmes Seed Co., of Harrisburg, and was illustrated in one of the Harrisburg daily papers, July 20, 1912. The illustration in catalog is from a photograph of one stem bearing 17 fine large fruits, and weighing 7¾ pounds. The clusters will average 15 fine, large, red or scarlet Tomatoes, and the beauty of it is that they all run about the same size and absolutely free from the acid taste so common in most varieties. The seed-cavities are exceedingly small, and we believe it to be the meatiest Tomato grown. This Tomato combines all the good qualities of each parent—earliness of the Earliana, size from Ponderosa, and color and smoothness of the Stone. Price of originator's own stock, pkt. 10c; oz. 75c; ¼ lb. \$2.25; lb. \$7.50; postpaid.

HOLMES' MAMMOTH PRIZE PANSIES

We have in this mixture one of the most superb mammoth pansies obtainable, which embraces all the different colors, including the Parisian Strain, Masterpiece, and many other of the giant flowering and exhibition varieties.

Price per pkt. 15c; ½ oz. \$4.00; oz. \$7.00; postpaid.

COMPLETE
COLLECTION ONLY
\$1.00

HOLMES' ECONOMY COLLECTION

THE MOST POPULAR COLLECTION EVER
PUT UP BY ANY SEED HOUSE

A COMPLETE VEGETABLE GARDEN 25 x 30 FEET

Every variety of seed selected for this Vegetable Collection consists of kinds that have the greatest demand, and if you have a small garden, you are entirely safe in ordering this grand collection.

If purchased separately, would cost you \$1.60, but if ordered as HOLMES' ECONOMY COLLECTION, can be had for \$1.00 which contains the following:

- 1 pkt. Beans, Stringless Green Pod
- 1 " Round Pod Kidney Wax
- 1 " Corn, Holmes' Early Mayflower
- 1 " Beet, Holmes' Early Wonder Beet (the earliest Blood Turnip Beet in the world)
- 1 " Carrot, Danvers half-long
- 1 " Onion, Ohio Yellow Globe Danvers

- 1 pkt. Radish, Icicle
- 1 " Scarlet Turnip
- 1 " Salsify
- 1 " Turnip, Purple top White Globe
- 1 " Cabbage, Early Jersey Wakefield
- 1 " Holmes' Houser
- 1 " Lettuce, Early Curled Simpson

- 1 pkt. Lettuce, Holmes' Perfect
- 1 " Celery, Easy Blanching
- 1 " Parsley, Moss Curled
- 1 " Swiss Chard
- 1 " Tomato, Holmes' Everbearing Stone

COMPLETE
COLLECTION ONLY
\$1.00

JUST THINK—NINETEEN FULL SIZED PACKETS WHICH RETAIL FOR \$1.60, FOR ONLY \$1.00

SEND NOW—DO NOT DELAY UNTIL TOMORROW.

Simply Address HOLMES SEED COMPANY, HARRISBURG, PA., and ask for "Holmes' Economy Collection".

AMOUNT CARRIED OVER.

HOLMES SEED COMPANY, HARRISBURG, PA.

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READ!

When you send your order kindly write below the names and full addresses of persons that you know buy and plant seeds. Do not send any names unless you have reason to believe they might send us an order. For doing this you may select two 5-cent packages extra free, when you send in your order.

[illegible]

We, the Holmes Seed Co., of Harrisburg, Pa., give no warranty, express or implied, as to description, quality, purity, productiveness, or any other matter of any seeds, bulbs or plants we send out, and will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned.

TWENTY-FOUR YEARS IN BUSINESS

THIS IS WHAT TALKS

SATISFACTION GUARANTEED

OR YOUR MONEY BACK

All Seeds or other articles listed in this Catalog are sold with the understanding that should they fail to please, we will refund the price paid or duplicate your order free

BULK SEED DISCOUNTS

On a \$5 Order, Discount is 10 percent.
On a \$10 Order, Discount is 12½ percent.
On a \$20 Order, Discount is 15 percent.

This discount is allowed on all general orders for Flower and Vegetable Seeds in packets, ounces, quarter-pounds, pounds, pints, quarts, four quarts, pecks and bushels, when the order is for five or more items, BUT IS NOT ALLOWED ON AN ORDER FOR A SINGLE ITEM, NOR ON POTATOES, ONION SETS, BULBS, GRASS SEEDS AND FIELD SEEDS, SUCH AS FIELD CORN, OATS, BARLEY, COW-PEAS, ETC. ON ORDERS OF PACKETS OR OUNCES AMOUNTING TO \$1.00, DEDUCT 20 CENTS FROM EACH ONE DOLLAR SENT.

We prefer giving our customers the advantage in good, solid money, than by offering premiums of books, and many other things with little or no value—with the cash discount you then can buy what you like.

HOW TO BE SUCCESSFUL IN GROWING VEGETABLES FOR THE HOME GARDEN

In the past two years the public has been awakened to the fact that they are called on by the nation to grow a small garden containing the more useful vegetables for home consumption.

It is the patriotic duty of every American who has a small piece of ground at his or her disposal, or can secure same from a neighbor, to help the nation at this critical time, by helping himself to more of the cheaper food, by growing his own vegetables. Had the foreign countries known prior to going to war what we have learned by their error, they would have been fortified the same as we are trying to fortify ourselves at the present time.

The foreign nations at this time are looking to America for their food supply. It will be necessary for the larger gardeners and growers to ship the majority of their foodstuffs abroad. What America can do in emergency cases has been proven the past two years. It can do still more if you, with a liking for gardening, will put your shoulder to the wheel to increase our own economic strength. The following pages will give you a brief outline of what is necessary to produce a good, home garden.

A RULE FOR ALL AMATEUR GARDENERS TO WORK UNDER AND WHICH SHOULD BE STRICTLY ADHERED TO IS AS FOLLOWS: PLANT ALL SEEDS FROM THREE TO FOUR TIMES THEIR OWN THICKNESS UNDER THE SURFACE OF THE SOIL.

HOW AND WHEN TO PLANT For the benefit of our many customers, we are publishing on one of the following pages, a complete table, giving the best time, when and how to plant.

Unless you have competent help, do not attempt too large a garden in the beginning. A small one thoroughly manured with pulverized sheep manure, and thoroughly worked, will give better results and more vegetables than one that is too large and poorly worked. Make the soil as rich as possible. One hundred pounds of pulverized sheep manure to a plot of ground 20 by 30 will be sufficient for the entire summer.

PREPARING THE SOIL The soil should be thoroughly pulverized and enriched frequently by a liberal dressing of pulverized sheep manure, spread over the surface and dug under as early in the Spring as the soil will crumble into a loose, fine condition. Be careful not to dig the soil when it is soggy or wet, as it will be hard to work the entire season. As stable manure is very hard to get at the present time, we have recommended the pulverized sheep manure, which can be had from us at all times during the year, and one hundred pounds will go much farther than two cart loads of well rotted manure. Should your ground be sour or if there are red worms in the ground, which will denote same, a dressing of air-slacked lime will be found to be very beneficial. Although not a plant food of itself, its action makes plant food available, which without its aid would lie dormant. As soon as the soil will work up in the proper condition, sowings can be made as per our kitchen garden table, given on page 1.

THE SEEDBED For small gardens, it would be better to start the early vegetables indoors in small boxes. The plants then can be set out very early in the Spring. For late plants, such as late cabbage, celery, etc., a small corner sheltered by the fence can be put aside for this purpose. Manure same well and the plants then can be taken from the seedbed and transplanted later when the time arrives. We would suggest, however, that tomatoes, eggplants and peppers be started indoors, as they are rather tender.

INTENSE GARDENING Can be had by the following methods: As soon as your early varieties, such as peas, lettuce, radishes, are finished, the beds or rows should be freshly dug, a little fresh manure sprinkled in the rows and worked over thoroughly. Then plant it with other vegetables to keep up a constant supply in the garden, and, at the same time, you will keep out weeds and have plenty of vegetables to eat at all times during the year.

SOWING SMALL SEED A small furrow should be made in the fine surface of the soil with a stick or a rake handle laid out and pressed into the ground. The furrow should not be over a quarter to a half inch deep, varying with the size of the seed

to be sown, and according to the rule given above. Then, by taking the rake and using it as a stomper, you can cover the seeds sufficiently with the fine soil, until it is time to cultivate properly. The firming of seed brings it in close contact with the earth and greatly assists it in germination.

MAKING HILLS The soil should be removed 10 to 12 inches in depth, about a half a shovelful of pulverized sheep manure placed in the bottom of this hole, the ground then hoed up carefully, making a hill about 4 inches above the level of the soil, packing it down with the back of the hoe for a space possibly 12 inches in diameter. The seeds then should be planted on top of this hill, such as melons, cucumbers, pole beans, etc., and then a light covering of the soil thrown up with the hoe and packed down firmly on top should give you very good results. Hills made this way can also be utilized for tomatoes, eggplants and peppers and should stand about four feet apart each way.

CULTIVATION It is absolutely necessary to cultivate the soil to get results. Many persons think that after the seed is in the ground, that is all that is necessary; but frequent cultivations, even when there is no rain, will draw a certain amount of moisture to the roots of the plants, and the more cultivating you give your vegetables, the better they will be and the larger they will grow. After a rain, when the ground dries off sufficiently, is the best time to cultivate, but in long, dry periods do not fail to keep on cultivating.

GATHERING VEGETABLES It is only when you get the first vegetables you have grown from your own garden that you appreciate what it is to have a garden of your own. They taste better, especially corn, which has not gone through the process of sweating and taking the sweetness all out of it; and what person does not like to go out to the garden and see a large, ripe, red tomato, and pluck it and eat it. It will taste 100 percent better than any tomato you can buy, and for the best tasted fruit, it is always better to allow it to ripen on the vine.

MULCHING Everybody, more or less, has a certain amount of grass to cut around their place. No better use can be made of this grass, caught in a grass catcher attached to the lawn mower, than by placing it on each side of the rows of the vegetables growing. In this way, it keeps the moisture in the soil and also prevents weeds from starting.

SEEDS TO USE It is necessary in sowing the seed to get the very best the country can produce (this you can have by using **Holmes' tested seeds of known vitality and purity**), so as not to be disappointed by the seed not coming up, as is oftentimes the case in using commission seeds, which are sold in grocery stores, etc. Our catalog gives you a brief description of all the principal varieties of seeds used in America.

ADVICE Our forty-three years' experience in the seed business has taught us many things which the amateur gardener does not know. We are perfectly willing and ready at all times to give any advice in regard to seeds, insecticides, or anything pertaining to the garden, if you will kindly call us on the telephone or call at our place of business. We will try to give you this information correctly to the best of our knowledge and should we not know some questions that are put to us, we will gladly look up and get the information for you.

TABLES We are constantly asked by many of our customers, questions which we have tried to answer by the following reference tables which many of our patrons will find valuable in making their garden. With the information we have given on these few pages, we believe that everyone can not help but have a good garden of superior vegetables.

INSECTICIDES On pages 4 and 5 will be found information pertaining to insecticides, fungicides and blight, to be used on the different plants and vegetables infested by the leaf-eating and leaf-sucking insects, most injurious to the crops. We have endeavored to make these very explicit, so as to enable our many customers to arrive at a definite conclusion and know exactly what to use from the first appearance of any of these insects.

REFERENCE TABLES

Number of plants to the acre at given distances

Dis. Apart	No. Plants	Dis. Apart	No. Plants	Dis. Apart	No. Plants	Dis. Apart	No. Plants
12 x 1 in.	522,720	24 x 24 in.	10,890	36 x 36 in.	4,840	60 x 60 in.	1,743
12 x 3 in.	174,240	30 x 1 in.	209,038	42 x 12 in.	12,444	8 x 1 ft.	5,445
12 x 12 in.	43,560	30 x 6 in.	34,848	42 x 24 in.	6,223	8 x 3 ft.	1,815
16 x 1 in.	392,040	30 x 12 in.	17,424	42 x 36 in.	4,148	8 x 8 ft.	680
18 x 1 in.	348,480	30 x 16 in.	13,068	48 x 12 in.	10,890	10 x 1 ft.	4,356
18 x 3 in.	116,160	30 x 20 in.	10,454	48 x 18 in.	7,790	10 x 6 ft.	726
18 x 12 in.	29,040	30 x 24 in.	8,712	48 x 24 in.	5,445	10 x 10 ft.	435
18 x 18 in.	19,360	30 x 30 in.	6,970	48 x 30 in.	4,356	12 x 1 ft.	3,630
20 x 1 in.	313,635	36 x 3 in.	58,080	48 x 36 in.	3,630	12 x 5 ft.	736
20 x 20 in.	15,681	36 x 12 in.	14,520	48 x 48 in.	2,723	12 x 12 ft.	302
24 x 1 in.	261,360	36 x 18 in.	9,680	60 x 36 in.	2,901	16 x 1 ft.	2,722
24 x 18 in.	15,520	36 x 24 in.	7,260	60 x 48 in.	2,178	16 x 16 ft.	170

Quantity of Seed Requisite to Produce a Given Number of Plants and Sow an Acre

Quantity per Acre		Quantity per Acre		Quantity per Acre	
Artichoke, 1 oz. to 500 plants.	6 oz.	Cucumber, 1 oz. to 100 hills.	1 to 3 lbs.	Onion Seed, 1/3 oz. to 100 ft. of drill.	4 to 5 lbs.
Asparagus, 1 oz. to 800 plants.	4 lbs.	Dill, 1/3 oz. to 100 feet of drill.	5 lbs.	Onion Seed for sets.	40 to 80 lbs.
Asparagus roots.	1000 to 7250	Egg Plant, 1 oz. to 2,000 plants.	4 oz.	Onion Sets, 2 lbs. to 40 feet of drill.	250 lbs.
Barley.	120 lbs.	Endive, 1/4 oz. to 100 feet of drill.	4 1/2 lbs.	Parsnip, 1/4 oz. to 100 feet of drill.	3 lbs.
Beans, dwarf, 1 lb. to 100 ft. of drill.	60 lbs.	Flax, broadcast.	30 lbs.	Parsley, 1/4 oz. to 100 feet of drill.	3 lbs.
Beans, pole, 1 lb. to 100 hills.	30 lbs.	Garlic, bulbs, 1 lb. to 10 feet of drill.		Peas, garden, 1 lb. to 100 feet of drill.	55 to 120 lbs.
Beet, garden, 1 oz. to 100 feet of drill.	7 lbs.	Gourd, 2 oz. to 10 hills.		Peas, field.	120 lbs.
Beet, Mangel, 1 oz. to 100 feet of drill.	5 lbs.	Grass, Blue, Kentucky.	15 to 20 lbs.	Pepper, 1 oz. to 1,500 plants.	
Broccoli, 1 oz. to 5,000 plants.	2 oz.	Grass, Millet.	25 lbs.	Pumpkin, 1/4 lb. to 100 hills.	3 to 4 lbs.
Brussels Sprouts, 1 oz. to 5,000 plants.	2 oz.	Grass, Mixed Lawn.	60 to 100 lbs.	Radish, 1/2 oz. to 100 ft. of drill.	10 to 12 lbs.
Buckwheat.	15 to 25 lbs.	Grass, Red Top Fancy.	8 to 10 lbs.	Ruta Baga.	2 to 4 lbs.
Cabbage, 1 oz. to 5,000 plants.		Grass, Rhode Island Bent.	25 to 40 lbs.	Rye.	60 to 90 lbs.
Carrot, 1/4 oz. to 100 feet of drill.	2 1/2 lbs.	Grass, Timothy.	10 to 15 lbs.	Sage in drills.	4 to 5 lbs.
Cauliflower, 1 oz. to 5,000 plants.		Grass, Orchard, Perennial Rye and Wood Meadow.	25 to 35 lbs.	Salsify, 1/4 oz. to 100 feet of drill.	8 lbs.
Celery, 1 oz. to 15,000 plants.		Hemp.	25 lbs.	Spinach, 1/2 oz. to 100 feet of drill.	8 lbs.
Chicory.	4 lbs.	Horse Radish Roots.	10000 to 15000	Summer Savory.	3/4 lb.
Clover, Alsike.	6 lbs.	Kale, 1 oz. to 5,000 plants, or 200 feet of drill.		Sunflower.	8 lbs.
Clover, Alfalfa or Lucerne.	15 to 25 lbs.	Kohl Rabi, 1/4 oz. to 100 feet of drill.	4 lbs.	Squash, summer, 4 oz. to 100 hills.	4 lbs.
Clover, Mammoth.	8 to 12 lbs.	Leek, 1/4 oz. to 100 feet of drill.	4 lbs.	Squash, winter, 8 oz. to 100 hills.	2 lbs.
Clover, Medium.	8 to 12 lbs.	Lettuce, 1/4 oz. to 100 feet of drill.	3 lbs.	Tomato, 1 oz. to 2,000 to 3,000 plants.	
Clover, White Dutch.	6 lbs.	Melon, Musk, 1 oz. to 100 hills.	1 to 3 lbs.	Tobacco, 1 oz. to 5,000 plants.	
Collards, 1 oz. to 5,000 plants.		Melon, Water, 4 oz. to 100 hills.	1 1/2 to 4 lbs.	Turnip, 1 oz. to 250 feet of drill.	1 to 3 lbs.
Corn, rice (shelled).	4 lbs.	Nasturtium, 2 oz. to 100 feet of drill.	15 lbs.	Vetch, spring.	90 to 120 lbs.
Corn, sweet, 1/4 lb. to 100 hills.	12 lbs.	Okra, 1 oz. to 100 feet of drill.	8 lbs.	Vetch, Hairy or Sand.	30 to 60 lbs.
Cowpea, in drills.	60 lbs.				
Cress, 1/4 oz. to 100 feet of drill.	12 lbs.				

Table to Assist Farmers and Gardeners in Making Accurate Estimate of the Amount of Land in Different Fields Under Cultivation

10 rods x 16 rods equal.	1 acre	40 yards x 121 yards equal.	1 acre
8 rods x 20 rods equal.	1 acre	209 feet x 209 feet equal.	1 acre
5 rods x 32 rods equal.	1 acre	200 feet x 108.9 feet equal.	1 acre
4 rods x 40 rods equal.	1 acre	100 feet x 145.2 feet equal.	1/2 acre
5 yards x 968 yards equal.	1 acre	100 feet x 108.9 feet equal.	1/4 acre
10 yards x 484 yards equal.	1 acre		

VEGETABLES—SEED SOWING AND PLANTING TABLE FOR HOME GARDENERS

VARIETY OF VEGETABLE	TIME TO SOW		BEST GERM-NATING TEM-PER-A-TURE	TIME RE-QUIRED TO GERM-I-NATE	TIME REQUIRED FOR MATURITY FROM DATE SOWN	PLANTING DISTANCE		AMOUNT OF SEED, ETC., REQUIRED	DEPTH OF PLANT
	UNDER GLASS	OPEN GROUND				APART IN ROWS	ROWS APART		
ARTICHOKE, Globe.		May.	65°			2-3 ft.	2-3 ft.	1/2 oz. for 100 ft. row.	1-2 in.
ARTICHOKE, Jerusalem.		May.	65°			2-3 ft.	2-3 ft.	1/2 oz. for 100 ft. row.	1-2 in.
ASPARAGUS, Seeds.		April & May.	60°	20 to 28	3 to 4 years			2 oz. for 100 ft. row.	1-2 in.
ASPARAGUS, Roots.		April.				1 ft.	2 ft.	100 for 100 ft. row.	3-5 in.
BEANS, Dwarf.		May to Aug.	75°	6 to 10	45 to 75 days	3 in.	2 ft.	1 qt. for 100 ft. row.	1/2-2 in.
BEANS, Pole and Lima.		May to June.	80°	6 to 10	65 to 100 days	3 ft.	4 ft.	1 qt. for 100 hills.	1-2 in.
BEETS.	March	April to Aug.	60°	7 to 10	60 to 75 days	4 in.	1 ft.	2 oz. for 100 ft. row.	1-2 in.
BORECOLE (Kale)									
For Spring use.		Aug. and Sept.	70°	6 to 10	85 to 120 days	2 ft.	2 1/2 ft.	3/4 oz. for 100 ft. row.	1/2 in.
For Fall use.		June.	70°	6 to 10	85 to 120 days	2 ft.	2 1/2 ft.	3/4 oz. for 100 ft. row.	1/2 in.
BRUSSELS SPROUTS.		April to July.	70°	6 to 10	100 to 120 days	1 1/2 ft.	2 1/2 ft.	1/4 oz. for 100 ft. row.	1/2 in.
CABBAGE, Early.	Feb'y.	April.	70°	6 to 10	100 to 125 days	1 1/2 ft.	2 ft.	1/4 oz. for 100 ft. row.	1/2 in.
CABBAGE, Late.		May and June.	70°	6 to 10	120 to 180 days	2 1/2 ft.	2 1/2 ft.	1/4 oz. for 100 ft. row.	1/2 in.
CARROT, Early.	March	April.	60°	10 to 15	65 to 85 days	4 in.	1 1/2 ft.	1 oz. for 100 ft. row.	1/2 in.
CARROT, Late.		May to July.	60°	10 to 15	100 to 120 days	5 in.	2 ft.	1 oz. for 100 ft. row.	1/2 in.
CAULIFLOWER, Early.	Feb'y.	April.	70°	6 to 10	100 to 115 days	1 1/2 ft.	2 1/2 ft.	1/4 oz. for 100 ft. row.	1/2 in.
CAULIFLOWER, Late.		May and June.	70°	6 to 10	100 to 135 days	2 ft.	3 ft.	1/4 oz. for 100 ft. row.	1/2 in.
CELERY.		April.	60°	12 to 20	125 to 150 days	6 in.	3 to 5 ft.	1/4 oz. for 100 ft. row.	1/2 in.
CHERVIL.		April and May.	60°		broadcast	20 in.		1 oz. for 100 ft. row.	1 in.
CORN, SUGAR.		May to July.	75°	8 to 10	60 to 100 days	3 ft.	4 ft.	1 qt. for 200 hills.	1-2 in.
CRESS, Wallis.		April.	70°		broadcast.			1/2 oz. for 100 ft. row.	on sur.
CUCUMBER.		May to July.	80°	6 to 8	60 to 85 days	4 ft.	4 ft.	1 oz. for 60 hills.	1-2 in.
EGG PLANT.	March		80°	10 to 14	125 to 160 days	2 1/2 ft.	2 1/2 ft.	1/4 oz. for 100 ft. row.	1/2-1 in.
ENDIVE.	Feb'y.	April to Aug.	60°	6 to 10	75 to 100 days	1 ft.	1 ft.	1 oz. for 100 ft. row.	1/2-1 in.
HORSERADISH.		April and May.	60°			14-20 in.	2 1/2 ft.	70 roots for 100 ft.	3-4 in.
KOHLRABI.		April to July.	70°	6 to 8	65 to 85 days	1 ft.	2 ft.	1/4 oz. for 100 ft. row.	1/2 in.
LEEK.	Feb'y.	April and May.	60°	6 to 10	120 to 160 days	6 in.	1 1/2 ft.	1 oz. for 100 ft. row.	1 in.
LETTUCE.	Feb'y.	April to Aug.	60°	6 to 10	75 to 100 days	1 ft.	1 ft.	1/4 oz. for 100 ft. row.	1/2 in.
MELON, MUSK.		May to June.	80°	6 to 10	90 to 120 days	4 ft.	4 ft.	1 oz. for 60 hills.	1-2 in.
MELON, WATER.		May to June.	80°	8 to 12	100 to 125 days	8 ft.	8 ft.	1 oz. for 30 hills.	1-2 in.
ONION, Seed.	Feb'y.	April and May.	60°	6 to 10	120 to 150 days	3 in.	1 ft.	1 oz. for 100 ft. row.	1/2-1 in.
ONION, Sets.		April and May.	60°			3 in.	1 ft.	3 pts. for 100 ft. row.	1-2 in.
PARSLEY.		April and May.	60°	18 to 24	90 to 100 days	4 in.	1 ft.	3/4 oz. for 100 ft. row.	1/2 in.
PARSNIP.		April.	60°	12 to 18	100 to 150 days	6 in.	1 1/2 ft.	1/2 oz. for 100 ft. row.	1/2-1 in.
PEAS, Wrinkled.		April to July.	70°	5 to 10	50 to 75 days	2 in.	2 to 4 ft.	1 qt. for 100 ft. row.	2-3 in.
PEAS, Smooth.		April to Aug.	65°	5 to 10	50 to 65 days	2 in.	2 to 4 ft.	1 qt. for 100 ft. row.	2-3 in.
PEPPER.	March		80°	10 to 14	135 to 150 days	2 ft.	2 1/2 ft.	1/2 oz. for 100 ft. row.	1/2 in.
POTATOES.		April to June.	70°	15 to 25	75 to 100 days	10 in.	2 1/2 ft.	1 peck to 100 ft. row.	4 in.
PUMPKINS.		May to June.	80°	6 to 10	100 to 125 days	8 ft.	8 ft.	1 oz. for 30 hills.	1-2 in.
RADISH.	March	April to Sept.	60°	4 to 6	25 to 50 days	2-4 in.	1 to 1 1/2 ft.	1 oz. for 100 ft. row.	1/2-1 in.
RHUBARB PLANTS.		April and May.	60°			3 ft.	3 to 5 ft.	33 plants for 100 ft.	2-3 in.
SPINACH.		April to Sept.	60°	6 to 12	60 to 75 days	4 in.	1 to 1 1/2 ft.	1 oz. for 100 ft. row.	1-2 in.
SQUASH, Summer.		May to July.	80°	6 to 10	60 to 75 days	4 ft.	4 ft.	1 oz. for 50 hills.	1-2 in.
SQUASH, Winter.		May to June.	80°	6 to 10	100 to 125 days	8 ft.	8 ft.	1 oz. for 50 hills.	1-2 in.
TOMATO.	Feb. A	June.	80°	6 to 10	125 to 150 days	3 ft.	3 ft.	1/2 oz. for 100 hills.	1/2-1 in.
TURNIP.		April to Sept.	70°	4 to 7	60 to 75 days	6 in.	1 to 1 1/2 ft.	3/4 oz. for 100 ft. row.	1/2-1 in.

"BLACK LEAF 40"

Nicotine Sulphate—40% Nicotine

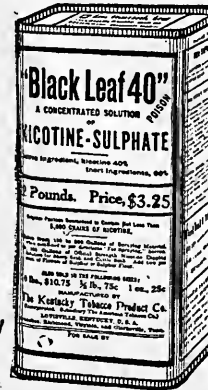
This is the insecticide that is so highly recommended by Experiment Stations. It destroys Aphis (plant lice), Thrips, Leaf-hoppers on all tree, bush and vine fruits, vegetables, field crops, flowers and shrubs; also Apple Red Bug, Pear Psylla and similar soft-bodied sucking insects—all without injury to foliage.

May be combined with other sprays. Highly concentrated. Soluble in water—easy to mix—does not clog nozzles.

You can not go wrong by ordering "Black Leaf 40" for sucking insects.

PRICES:

1 oz.-	\$0.25-	makes 6 gallons spray
1/2 lb.-	1.00-	40 to 120 gals. spray
2 lb.-	3.25-	160 to 500 "
10 lb.-	13.75-	800 to 2500 "



PRICES SUBJECT TO CHANGE WITHOUT NOTICE

Stop!

Look!!

Listen!!!

And then - - -

Be sure to include in your order, one of the collections advertised on the inside page of the front cover

All these collections embrace the very finest and latest varieties ever introduced.

We want you to become one of our permanent customers. Even if you have been dealing with another seed house, we would like you to give our seeds a trial by the use of one or all of these collections.

YOU WILL NOT BE DISAPPOINTED IN THE RESULTS OBTAINED

A COMPLETE GARDEN FOR \$1.00

ORCHARD BRAND SPRAY PRODUCTS

THESE PRICES SUBJECT TO CHANGE WITHOUT NOTICE

The materials we carry in stock and recommend for spraying are ORCHARD BRAND spray products.

We have selected this brand because we desire to offer our customers a complete line of highest grade spraying materials.

Orchard Brand B. T. S.

This is an effective scale remedy and fungicide in dry form, designed to be used on all fruit trees in the dormant period.

It dissolves readily in cold water, and for dormant spraying should be used at the rate of 4 ozs. to a gallon of water (12 to 13 lbs. to 50 gals.) and in growing period on apple trees, at 1 oz. to a gallon of water (3 lbs. to 50 gals. to 50 gals.) It should not be used on peaches, plums or other stone fruits in the growing period.

1-lb. package, per lb.	.40
5-lb. package, per lb.	.35
10-lb. package, per lb.	.25
25-lb. package, per lb.	.20
50-lb. package, per lb.	.18
100-lb. package, per lb.	.15

Orchard Brand Lime Sulphur Solution

This is a highly concentrated insecticide and fungicide. For dormant period spraying to kill scale insects use at the rate of 1 gal. to 8 or 9 gals. of water. During the growing period it should be used at the rate of 1 gal. to 40 gals. of water. Do not use on peaches, plums or other stone fruits in the growing period.

1 gal. can	\$1.00
5 gal. can	4.00
10 gal. can	5.50
1/2 bbl. per gal.	.28
Barrel, per gal.	.25

Orchard Brand Arsenate of Lead

This is a standard insecticide to destroy insects that eat the foliage of plants. We offer this material in two forms, paste and powder. The paste form contains not less than 15% arsenic oxide. The powdered form contains not less than 31% arsenic oxide, and consequently is twice the strength of the paste.

For general use 1 oz. of paste, and 1/2 oz. of powder, to a gallon of water is sufficient.

	Paste	Powder
1/2-lb. package, each	.30	.30
1-lb. package, per lb.	.40	.55
5-lb. package, per lb.	.35	.50
10-lb. package, per lb.	.30	.45
25-lb. package, per lb.	.25	.42
50-lb. package, per lb.	.23	.38
100-lb. package, per lb.	.22	.40

Orchard Brand Arsenite of Zinc Powder

This is a quick acting posion to be used on potatoes, tomatoes and similar truck crops. Owing to its quick killing properties, adhesiveness and freedom from injurious effect, it is recognized as the best poison for killing potato bugs, asparagus beetles and similar pests. It should be applied at the rate of 2 lbs. per acre. Do not use on fruit trees or grape vines.

1/2-lb. package, each	.35
1-lb. package, per lb.	.60
5-lb. package, per lb.	.55
10-lb. package, per lb.	.50
25-lb. package, per lb.	.45
50-lb. package, per lb.	.42
100-lb. package, per lb.	.40

Orchard Brand Arsenate of Calcium Powder

This is a powerful arsenical poison for killing chewing insects and is serviceable for use on garden truck and ornamental trees at the rate of 1 oz. to a gallon of water.

1/2-lb. package, each	.35
1-lb. package, per lb.	.55
5-lb. package, per lb.	.50
10-lb. package, per lb.	.45
25-lb. package, per lb.	.40
50-lb. package, per lb.	.36
100-lb. package, per lb.	.34

Orchard Brand Bordeaux Mixture

This is a standard fungicide for general use and is offered in either paste or powdered form. The paste form contains not less than 14.7% copper hydroxide, and the powdered form contains not less than 33.49% copper hydroxide. For general spraying use the paste at from 8 to 11 lbs. to 50 gals. of water, and the powder from 3 1/2 to 5 lbs. to 50 gals. of water. Do not use Bordeaux Mixture in the growing period on peaches, plums or other stone fruits.

	Paste	Powder
1/2-lb. package, each	.35	.35
1-lb. package, per lb.	.40	.55
5-lb. package, per lb.	.35	.50
10-lb. package, per lb.	.30	.45
25-lb. package, per lb.	.28	.42
50-lb. package, per lb.	.25	.40
100-lb. package, per lb.	.23	.38

Orchard Brand Bordeaux Lead

This is a combination insecticide and fungicide for general use on apples, grapes and garden truck (do not use on peaches or plums). This material is furnished in either paste or powdered form. The paste contains not less than 10% copper hydroxide, and the powder not less than 24% copper hydroxide. For general spraying the paste should be used at from 12 to 15 lbs. to 50 gals. of water, and the powder from 5 to 7 lbs. to 50 gals. of water.

	Paste	Powder
1/2-lb. package, each	.40	.40
1-lb. package, per lb.	.55	.65
5-lb. package, per lb.	.50	.60
10-lb. package, per lb.	.45	.55
25-lb. package, per lb.	.40	.50
50-lb. package, per lb.	.38	.45
100-lb. package, per lb.	.35	.42

Orchard Brand Zinc Bordeaux

This is a combined insecticide and fungicide especially designed for use on potatoes and tomatoes. It should not be used on grapes or trees. It is offered in both paste and powdered form. The paste contains not less than 10% copper hydroxide and the powder not less than 24% copper hydroxide. The paste should be used at the rate of 15 to 20 lbs. to each acre treated, and the powder at from 6 to 8 lbs. to each acre treated.

	Paste	Powder
1/2-lb. package, each	.40	.40
1-lb. package, per lb.	.55	.65
5-lb. package, per lb.	.50	.60
10-lb. package, per lb.	.45	.55
25-lb. package, per lb.	.40	.50
50-lb. package, per lb.	.38	.43
100-lb. package, per lb.	.35	.41

Orchard Brand Atomic Sulphur

This is the safest and best remedy for scab and brown rot on peaches, plums and cherries, and it is also especially effective in the control of scab and cedar rust on apples. Use on peaches at the rate of 5 lbs. to 50 gals. of water, and on apples at the rate of 7 lbs. to 50 gals. of water.

1-lb. package, per lb.	.35
5-lb. package, per lb.	.30
10-lb. package, per lb.	.25
25-lb. package, per lb.	.20
50-lb. package, per lb.	.18
100-lb. package, per lb.	.15

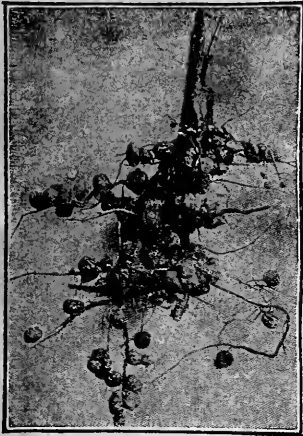
ALL PRICES QUOTED HEREON SUBJECT TO CHANGE WITHOUT NOTICE

HOLMES STANDARD INOCULATING BACTERIA

The Guaranteed Legume Inoculator

Grown Direct from the Nodules. Increases the Yield. Enriches the Soil. Hastens Maturity. Improves Feeding Value.

SAVES FERTILIZER BILLS



Prepared for

Alfalfa	Red Clover	Field Peas
Soy Beans	Crimson Clover	Garden Peas
Cow Peas	Alsike Clover	Sweet Peas
Sweet Clover	Vetch	Field Beans
Peanuts	Garden Beans	

and all other legumes

PRICES

Garden Size.....\$.50	2 Acre Size..... 1.45
1 Acre Size..... .75	4 Acre Size..... 2.25
6 Acre Size..... 3.00	

Sent postpaid on receipt of price. One acre size sufficient for about 20 pounds of alfalfa, clover, or other small seed, and for about 90 pounds of peas, beans, or other large seeds.



Holmes Standard Inoculating Bacteria are grown direct from the nodules. All bacteria sent out are of the second generation from the nodules. This laboratory technique in the preparation of these cultures insures the highest possible virility and therefore positive inoculation and an abundance of nodules. It is a fundamental of bacteriology that the further removed from the initial germ, the less viril Bacteria planted and replanted to generations far remote cannot and do not insure healthy inoculation and use of such often results in failure. Standard cultures bred direct from the nodules and furnished to you only one generation removed from such nodule is what has placed them at the head of the list of all legume cultures and caused them to be the most widely used in the United States.

Holmes' Standard cultures are not cheap cultures. They may be cheaper in price than some, but in price only. The price is still consistent with high quality. They cannot be made better even if ten times the price were offered. Every package is fully guaranteed.

Not only in viril properties do Holmes' Standard cultures excel, but the character of the containers has much to do with preserving and insuring such virility right up to the time of use. They are put up in amber-colored bottles (excluding the blue light ray which is deadly to many germs) with rubber corks and with glass

air tubes and cotton filters. Thus prepared all foreign and destroying germs are excluded, yet the nitro bacteria within the bottles are fed with sufficient nitrogen to keep them alive and viril even for years.

All legume crops should be inoculated. Few soils contain sufficient bacteria to provide self-inoculation. Artificial inoculation with pure cultures has long since been determined by the experiment stations to be the only safe and sure way. Few soils, unless heavily fertilized, contain enough nitrogen to carry a legume crop to maturity and a maximum yield unless the proper inoculating bacteria be present in the soil and active. Inoculated legumes take their supply of nitrogen from the air and not only feed themselves during growth, but store up a surplus in the nodules formed on the roots as a supply for succeeding crops. But unless such proper bacteria are supplied or present there will be no nodules. Neither will the crop be a maximum. A good legume crop will store up in soil for use of future crops as much nitrogen as can be obtained for thirty to fifty dollars in commercial nitrogen carrying fertilizer materials. Take no chances. Inoculate all legumes with Holmes' Standard cultures.

When ordering, state crop to be inoculated. Holmes' Standard Bacteria grown direct from the nodules are fully guaranteed.

STANDARD FLOWER AND GARDEN FERTILIZER

A powerful, highly concentrated and soluble plant food for

Flowers, House Plants, Lawns, Shrubbery and Gardens

The most highly concentrated and properly balanced fertilizer ever compounded.

Many times the strength of ordinary fertilizers. Never before has such a high analysis been attained.

So strong that a pinch will intensely fertilize a house plant, a small package 200 square feet.

Promotes quick and luxurious growth and deep green color to foliage and gives rich brilliant color to flowers.

Standard Flower and Garden Fertilizer will revive those puny, pale, sickly plants, flowers, shrubs, etc. A trial will convince.

PRICES

1/2 lb. package	\$.40
1 lb. package75
5 lb. package	2.25
25 lb. bag	6.50

ANALYSIS

Nitrogen	15 to 17%
Equiv. Ammonia	18 to 20%
Avail. Phosphoric Acid	10 to 12%
Potash (K-2-O)	8 to 10%

Can be used dry or dissolved in water. Full directions on every package. It is odorless.

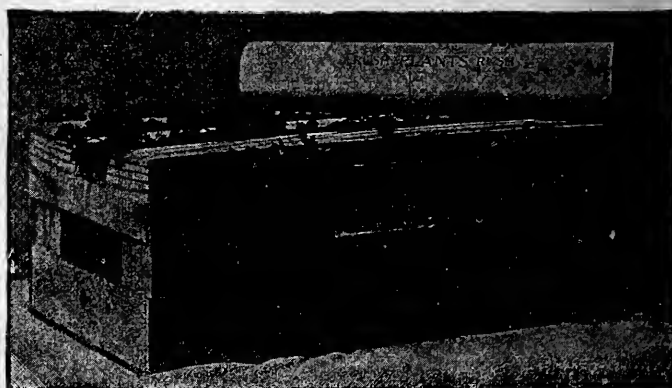
Holmes' Vegetable Plants

PLANTS THAT GROW

PRICES RIGHT

Last year, we had considerable trouble with our plant orders in not getting them to our customers in time, having them grown some distance from the city. This year, however, we have succeeded in securing one of the best plant growers in this section of the country to grow our entire stock of plants of all varieties, we furnishing the stock seed of the very highest quality. The plants will be well packed in ventilated packages to reach you in good growing condition. We prefer to send small orders by parcel post and, for your benefit, must insist that you **give both your express and post office address plainly**. Large orders will be sent by express.

We guarantee these plants to be first-class in every particular when delivered to the express company and should they arrive at destination in bad condition, do not accept them, but notify us immediately and we will send you other plants and take the matter up with the express company. Be sure to give us in a case of this kind, the exact date the plants reached your express or post office. When no variety names are mentioned, we will use our best efforts to send you what we think will give you the best results.



TRANSPLANTED PLANTS

All plants are large, well-hardened plants, ready for the field. Uniform plants of great vitality. No weaklings or misses, but every plant a good one. "Business Plants" for the man who plants for profit.

CABBAGE PLANTS—Ready April 1 to June 1. Early Jersey Wakefield, Charleston Wakefield, Early Summer, Copenhagen Market. Doz. 20 cts., 2 doz. 30 cts., 100 \$1.25, 500 \$4.25, 1,000 \$7.50.

CELERY PLANTS—Ready April 1 to June 1. Golden Self-Bleaching, Snow White and Giant Pascal, Holmes' Emperor. Doz. 15 cts., 2 doz. 25 cts., 100 75 cts., 500 \$3, 1,000 \$5.50.

TOMATO PLANTS—Ready May 1 to June 15. Improved Earliana, New Dwarf Stone, Everbearing, Red Rock,

Ponderosa. Doz. 15 cts., 2 doz. 25 cts., 100 90 cts., 500 \$3.50, 1,000 \$6.

HEAD LETTUCE—Ready March 1 to May 1. Iceberg and Big Boston. Doz. 15 cts., 2 doz. 25 cts., 100 85 cts., 500 \$3.50, 1,000 \$6.50.

SWEET PEPPERS—Ready May 1 to June 20. Holmes' Sweet Prolific, Ruby King and Chinese Giant. Doz. 25 cts., 3 doz. 65 cts., 100 \$1.50, 500 \$6.00.

EARLY CAULIFLOWER—Ready March 15 to June 1. Early Snowball. Doz. 25 cts., 3 doz. 65 cts., 100 \$1.50, 500 \$6.00.

EGG PLANTS—Ready May 10. Black Beauty, New York Improved. Doz. 25 cts., 3 doz. 65 cts., 100 \$1.50, 500 \$6.

POTTED PLANTS

POTTED TOMATOES—Langdon's Earliana, Holmes' Everbearing, Bonny Best, Chalk's Early Jewel, Matchless and Stone. Ready May 1 to July 1. Doz. 50 cts., 2 doz. 85 cts., 100 \$4.

POTTED EGG PLANTS—Black Beauty. Doz. 75 cts., 2 doz. \$1.25, 100 \$6.

I get 50 peach baskets of ripe tomatoes from 100 potted plants.

Potted tomato plants will ripen their crop three weeks earlier than Transplanted plants.

The man who has early ripe tomatoes gets the money for them.



LATE TOMATO PLANTS

Five hundred thousand Stone and Chalks Jewel, 75 cts. per 100, \$5 per 1,000. Ready May 10 to July 10.

FIELD GROWN PLANTS

CABBAGE PLANTS—Ready May 20 to September 1. Three million extra stocky Cabbage Plants sown thin in rows, twelve inches apart. Dug with forks (not pulled up), so every plant has mass of roots. Packed in damp moss and shipped carefully.

Can be shipped safely to Texas, Georgia, Florida, Alabama, Mississippi and Canada, and all nearer States.

All Head Early, Succession, Copenhagen Market, Henderson's Early Summer, Early Jersey Wakefield, Enkhuizen Glory, Flat Dutch and Surehead. 75 cts. per 100, \$5 per 1,000.

CELERY PLANTS—Ready July 1 to September 1. Two million hardy and extra fine plants, raised by heavy fertilization, in rows 14 inches apart, thinned by hand and kept entirely free of weeds. No plants shipped except good, strong plants. (Satisfaction guaranteed.) 50 cts. per 100, \$3.50 per 1,000.

GOLDEN SELF-BLEACHING (French Grown Seed)—White Plume, Winter Queen, Giant Pascal. 50 cts. per 100, \$3 per 1,000.



NON-WARRANTY

While we endeavor to have all plants true to name, carefully packed and promptly shipped, we give no warranty, expressed or implied, as to description, quality, productiveness or of any other matter, of any of the plants we send out, and will not in any way be responsible for the crop.

All orders accepted subject to plants being unsold.

Every order received will be accepted upon these conditions only, and they must be accepted by the customer when ordering.



50 cts SPECIAL OFFER 50 cts

Be sure to take advantage of the

HOLMES' COVER COLLECTION

Illustrated on back and front cover and full description found on second page cover. Bought as Cover Collection only 50 cents.



Satisfaction Guaranteed—Or Your Money Back

All Seeds or other articles listed in this Catalog are sold with the understanding that should they fail to please, we will refund the price paid or duplicate your order free.

BULK SEED DISCOUNTS

On a \$5 Order, Discount is 10 percent—On a \$10 Order, Discount is 12½ percent—
On a \$20 Order, Discount is 15 percent

This discount is allowed on all general orders for Flower and Vegetable Seeds in packets, ounces, quarter-pounds, pounds, pints, quarts, four quarts, pecks and bushels, when the order is for five or more items, BUT IS NOT ALLOWED ON AN ORDER FOR A SINGLE ITEM, NOR ON POTATOES, ONION SETS, BULBS, GRASS SEEDS AND FIELD SEEDS. SUCH AS FIELD CORN, OATS, BARLEY, COW-PEAS, ETC. ON ORDERS OF PACKETS OR OUNCES AMOUNTING TO \$1.00, DEDUCT 20 CENTS FROM EACH ONE DOLLAR SENT.

We call this Catalog "Holmes" Advance Agent

Since the Parcel Post has been inaugurated, it is now just as easy for the farmer to buy direct from our catalog as to call at our store or have our salesman call on you. "The Tested Seeds" offered by the Holmes Seed Co. are seeds of "Known Vitality and Purity," and are the best soil and cultivation can grow. Forty years' experience enables us to know, and we realize that the farmer and home gardener must have the best that grows.

OWING TO WAR CONDITIONS ALL SEED SHIPPED BY EXPRESS OR FREIGHT ARE SENT THIS WAY AT PURCHASER'S EXPENSE AND ARE SUBJECT TO DELAY.

ARTICHOKE

Artischoke Articiocca
Karczocky

Culture.—May be grown from seed sown in April, or from suckers taken from established plants. The seed can be sown in beds and the plants transplanted to rows 4 feet apart, 18 inches between. Three ounces of seed will sow 100 yards of row.

Large Green Globe.—Grown chiefly for unripe flower heads, delicious.

Pkt., .05; Oz., .25; ¼ Lb., .85

By Mail, Postpaid

ASPARAGUS

Spargel Sparagio
Szparagi

Culture.—Sow in March or April, in rows 1 foot apart. When two years old, transplant into permanent beds. Set the plants in rows from 3 to 4 feet apart and 2 feet in the row, and cover gradually during the season to 6 or 8 inches. On approach of winter cover with manure or straw. One ounce will sow 40 feet of drill.

BARR'S MAMMOTH.—Valuable for market; stalks large, tender, light. See illustration.

Pkt., .05; Oz., .10; ¼ Lb., .20; Lb., .75

Columbian Mammoth White.—New Variety; valuable for its whiteness.

Pkt., .05; Oz., .10; ¼ Lb., .25; Lb., .85

Conover's Colossal.—Mammoth, green, of largest size; extra good.

Pkt., .05; Oz., .10; ¼ Lb., .20; Lb., .75

GIANT ARGENTEUIL.—Early, large, good, flavor superb, white.

Pkt., .10; Oz., .15; ¼ Lb., .35; Lb., 1.00

Palmetto.—Thick, dark green shoots, early, uniform, disease-resisting.

Pkt., .05; Oz., .10; ¼ Lb., .25; Lb., .85

By Mail, Postpaid

ASPARAGUS ROOTS

Two years old; 2,500 roots are required to plant an acre.

Barr's Mammoth, and Columbian Mammoth White.

Per 100, 1.00; per 500, 3.00; per 1,000, 5.50

Conover's Colossal.—Old and well-known variety.

Per 100, .75; per 500, 2.75; per 1,000, 5.00

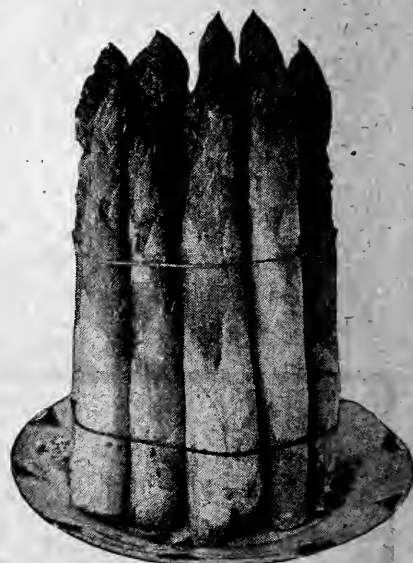
Giant Argenteuil.—Extra good, large.

Per 100, 1.25; per 500, 3.50; per 1,000, 6.50

Palmetto, or Eclipse.—Early, prolific.

Per 100, 1.25; per 500, 3.00; per 1,000, 5.50

By Express or Freight, Not Prepaid



Barr's Mammoth Asparagus

BROCCOLI

One ounce will sow a bed 40 feet square

Culture.—Same as cauliflower.

Early Purple Cape.—Heads of medium size, close, compact, brownish purple. Best suited to our climate, and of excellent flavor.

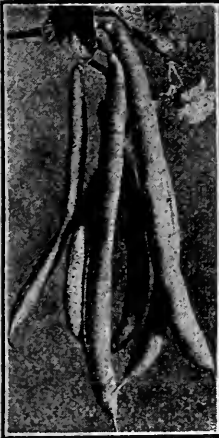
Pkt., .05; Oz., .35; ¼ Lb., 1.00; Lb., 3.75

BRUSSELS SPROUTS

Culture.—The seed should be sown in April or May, and the plants cultivated like cabbage. The heads are improved by frost. An ounce of seed will produce 2,000 plants.

Paris Market.—Dwarf, with small, solid, tender heads, growing close along the stem.

Pkt., .05; Oz., .20; Lb. ¼, .50; Lb., 1.50



Bountiful or Sure Crop Wax Beans

Giant Stringless Valentine

B's Stringless Green Pod

Wardwell's Kidney Wax

BEANS, "VICTORY"

NOVELTY

Beans have formed a staple of army diet for many years, because of their extremely high nutritive value which has demonstrated their great worth over a period of many years. They are not only delicious as a table vegetable, but they are also of high food value. We have named this wax bean "VICTORY" owing to its wonderful prolificness. The VICTORY is a dwarf growing variety, with strong vigorous vines about eighteen inches in height, producing early large yellow pods of extra size, measuring 7 to 7½ inches long and more than ½ inch wide, and being of the semi-round type, give more meat than any other bean we know of. It is absolutely stringless and of excellent quality, but this is not all. The VICTORY is one of the most prolific bush beans we have ever seen, and their bountiful crop of splendid rustproof beans sells at sight. They can be picked rapidly, as they hang in great clusters. The illustration above, which is ⅛ natural size, gives a fair representation of this wonderful bean. Our many customers will not be disappointed in this, as well as the three other VICTORY novelties which we bring out this year.

Price of the above...Pkt. Lb. 2 Lbs.
.10 .40 .75 postpaid by mail.

By freight or express at purchaser's expense:

25 lbs. at 35 cts. per lb.

50 lbs. at 32 cts. per lb.

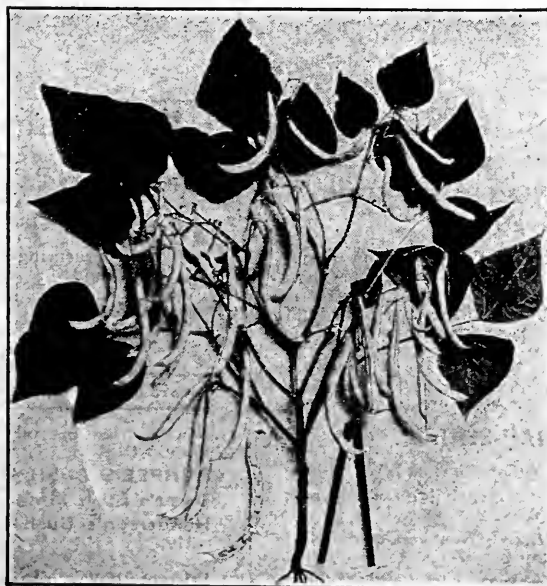
100 lbs. at 30 cts. per lb.



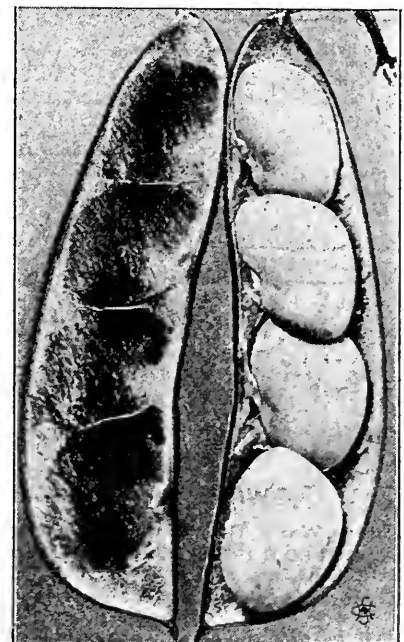
Round Pod Kidney Wax



Holmes' Green Prolific Pole Lima



Pencil-Pod Black Wax Beans



Fordhook Bush Lima

BEANS

Bohnen Fasola Fagioli

These prices are subject to change without notice

Culture.—About the first of May sow in rows 2 inches deep and 18 inches to 2 feet apart; beans 3 inches apart. Sow every two weeks for a succession until September. One quart to 100 feet of drill. One and a half bushels per acre. We put up liberal-sized packets at 10 cts., postpaid.

SPECIALTY**GIANT GREEN-POD STRINGLESS VALENTINE BEAN**

An Extra-Early, Green-Podded Bush Bean of fine quality. Remarkably early; exceedingly prolific. Ready for market in 45 days

One of the best green-podded Beans in the entire list, either for the home garden or for market. It is very early, exceedingly prolific, with pods fully one-third longer than the old standard Red Valentine. The pods are round and handsome and without any string.

SPECIALTY**BOUNTIFUL BUSH**

The first in the spring; last until fall; absolutely stringless

This is a flat-podded green Bean; enormously prolific and continuous bearer; early and late; absolutely stringless; very tender and excellent flavor.

SPECIALTY**STRINGLESS GREEN-POD**

Absolutely stringless, of fine flavor; the earliest green-podded Bean. Without any exception it surpasses all others in crispness and tenderness. The pods are absolutely stringless and ready to market two weeks earlier than the best stock of other early Red Valentines.

BLACK VALENTINE

Very popular in the South for shipping to market, being a very vigorous strong grower, making a long, handsome Bean, very meaty and one of the best and most prolific market sorts. See illustration.

Price of the above.....	Pkt.	Lb.	2 Lbs.	100 Lbs.
	.10	.30	.55 postpaid.	25.00

DWARF GREEN-PODDED SNAP-SHORT BEANS

Best of All. Round; long glossy green; fleshy pods.

DWARF HORTICULTURAL.—An excellent green-podded sort.

Early China Red Eye.—Very early; old standard sort.

Early Mohawk.—Very early and hardy; long, flat, straight pods.

Large White Marrowfat.—For winter use.

LONGFELLOW.—Perfectly round; early; prolific; pods solid, fleshy.

Long Yellow Six Weeks.—Early, with full, flat green pods.

Low's Champion Bush.—Exceedingly fine; prolific.

NEW HODSON GREEN-POD.—Long, straight, round, green pods.

Red Kidney.

REFUGEE, or 1,000-to-1.—Late; hardy; very productive.

Refugee Extra Early.—Very prolific; exceptionally free from strings.

Round Yellow Six Weeks.—Very prolific; semi-round pods.

TENNESSEE GREEN-POD.—Excellent shipper; medium to late; flat pods.

White Kidney.—Medium-sized pods; coarse; dark green; late.

White Navy.—Sure cropper; prolific; good quality; early.

Price of the above.....	Pkt.	Lb.	2 Lbs.	100 Lbs.
	.10	.30	.55 postpaid.	25.00

SPECIALTY**NEW ROUND-POD KIDNEY OR BRITTLE WAX BEAN**

The Meatiest, Crispest, Most Brittle and Entirely Stringless Bean Grown

Our customers have frequently asked for a round-podded Wax Bean, possessing the excellent market and shipping qualities of the popular Wardwell's Kidney Wax, and this is the first Bean we have ever discovered that will fill the bill. The plant grows tall, strong and sturdy, with long, round, handsome, stringless pods of large size, very solid and full of meat; crisp, brittle and free from rust; wonderfully early and productive. See illustration.

SPECIALTY**SURE-CROP STRINGLESS OR BOUNTIFUL WAX**

A dwarf-growing variety; strong, vigorous vines producing early, rich yellow pods of extra size, measuring 7 to 7½ inches long, more than ½ inch wide, nearly ½ inch thick, and of excellent quality. But this is not all. It is one of the most prolific Bush Beans known to the trade, and its bountiful crop of splendid Beans sells at sight. See illustration.

Price of the above.....	Pkt.	Lb.	2 Lbs.	100 Lbs.
	.10	.35	.65 postpaid.	30.00

DWARF WAX-PODDED SNAP-SHORT

Golden Wax.—The well-known old sort; popular for market.

IMPROVED RUSTPROOF GOLDEN WAX.—A greatly improved strain; more prolific and superior to the old Golden Wax.

Keeney's Improved Stringless Refugee Wax.—(New.) Decided improvement on old Refugee Wax; best for canning.

New Prolific German, or Cylinder Wax.—Very early and prolific; pods round, full and stringless.

Perfection Wax.—Large, handsome pods, very showy.

WARDWELL'S KIDNEY WAX.—Very robust and hardy, one of the very best, large-podded varieties.

Saddleback Wax.—Entirely stringless, of fine quality.

Valentine Wax.—A perfect Valentine Bean with a wax pod; valuable for both market gardeners and private planter.

Davis Wax.—Most hardy and productive wax bean in cultivation; pods long, straight and handsome.

Pencil Pod Black Wax.—Hardier and more prolific than the old German Wax. Pods long, pencil-like, tender and brittle.

Currie's Rustproof Wax.—Positively proof against rust and possesses most excellent quality.

Hodson Wax.—Sturdy grower; productive; a market Bean.

Price of above.....	Pkt.	Lb.	2 Lbs.	100 Lbs.
	.10	.35	.65 postpaid.	30.00

POLE LIMA BEANS

HOLMES' GREEN PROLIFIC POLE LIMA.—Grows green, keeps green, and the only Lima Bean that is absolutely green when dried. Equals Early Jersey for earliness and is more productive than any other Pole Lima we have ever seen. See illustration.

CARPINTERIA LIMA.—Beans largest size and much thicker than old type. Extra-fine quality.

DREER'S IMPROVED LIMA.—A thick, almost round Bean; fine quality.

Extra-Early Jersey Lima.—Much earlier than Large White Lima.

King of the Garden Lima.—Very prolific and heavy bearer.

Large White Lima.—The old favorite.

Small White, or Carolina Sieva.—A small seedling variety.

TRUCKER'S DELIGHT EXTRA-EARLY LIMA.—The green shelled Beans are of immense size, tender and succulent.

Price of above.....	Pkt.	Lb.	2 Lbs.	100 Lbs.
	.10	.35	.65 postpaid.	30.00

WAX-PODDED POLE, or RUNNING

Culture.—After settled warm weather, set 4 to 8-foot poles in rows 4 feet apart, the poles being 3 feet apart in the row. Around each hill plant five to eight Beans 2 inches deep; thin to four plants. One quart to 150 hills; 12 to 15 quarts to acre.

EARLY GOLDEN CLUSTER WAX.—Early; thick, flat pods; prolific.

Golden Butter Wax.—An excellent sort.

KENTUCKY WONDER WAX.—New. Fleshy and quite as stringless as snaps; golden-yellow.

Price of above.....	Pkt.	Lb.	2 Lbs.	100 Lbs.
	.10	.40	.75 postpaid.	30.00

GREEN-PODDED POLE, or RUNNING

Golden Carmine-Podded Horticultural.—Early; stringless.

Horticultural, or Wren's Egg.—Best for corn Beans.

LAZY WIFE.—Pods dark green; fleshy; entirely stringless; rich flavor.

OLD HOMESTEAD (Kentucky Wonder).—Crisp, early and prolific.

Southern Prolific.—Continuous bearer.

WHITE CREASEBACK POLE.—Earliest snap-shorts; very productive; entirely stringless.

White Dutch Case-Knife.—Flat pods.

Price of above.....	Pkt.	Lb.	2 Lbs.	100 Lbs.
	.10	.35	.65 postpaid.	30.00

SPECIALTY**DWARF BUSH LIMA BEANS****FORDHOOK BUSH LIMA**

Fordhook Bush Lima has an ideal bush growth and bears tremendous crops. The Beans are ready for use fully three weeks earlier than any other of the Pole Lima varieties. The plump, well-filled pods are twice as large as those of the Dreer's Bush, while the Beans are also twice the size, pods measuring 4 to 5 inches, containing four to five large Beans. See illustration.

Price of above.....	Pkt.	Lb.	2 Lbs.	100 Lbs.
	.10	.35	.65 postpaid.	30.00

SPECIALTY

BURPEE'S IMPROVED BUSH.—Enormous pods, borne abundantly; well-filled and very early.

These are the largest pods of any of the Bush Lima Beans; vigorous bush with heavy foliage; plants uniformly upright. Pods 5 to 6 by 1¼ inches.

BURPEE'S BUSH LIMA.—Bushes 18 to 20 inches; immense yielder.

Dreer's Bush Lima.—Bush form of pole sort of same name.

Henderson's Bush Lima.—True bush variety, 18 to 20 inches high; early.

Price of above.....	Pkt.	Lb.	2 Lbs.	100 Lbs.
	.10	.35	.65 postpaid.	30.00

HOLMES' ORIGINAL BUTTER BEANS

This Bean is not a Lima, but grows dwarf and very prolific. More delicious than the Lima.

The illustration herewith portrays accurately the HOLMES' ORIGINAL BUTTER BEAN

For many years, we have been endeavoring to find the true stock of the old time BUTTER BEAN, which has had such a remarkable sale in several parts of this country. About two years ago, we heard of these beans being grown in the far west and after making a thorough test of same, we found them to be the original butter bean, and so this year we grew quite a nice crop of the beans and have every expectation of securing a full crop, which enables us to put them out for the first time in our catalog.

We want every farmer and private gardener to give these beans a trial and be convinced that they are all we represent them to be. HOLMES' ORIGINAL BUTTER BEANS are a heavy bush bean with considerable vine. They are one of the heaviest croppers that we know of and they ripen about the same time as other varieties of bush beans. The pods hang on in clusters and the beans are as large as a lima bean, in fact, they are much thicker through than the Improved Bush Lima. The flavor is more delicious than any lima bean grown. We have no hesitancy in placing this bean before the public as we know it will give entire satisfaction to any one who will give it a trial.

Price per full sized packet, 10 cts.; pound, 40 cts.; two pounds, 75 cts. or to those who desire to plant in quantity—

100 pounds, \$30.00. 25 pounds at the hundred pound price.

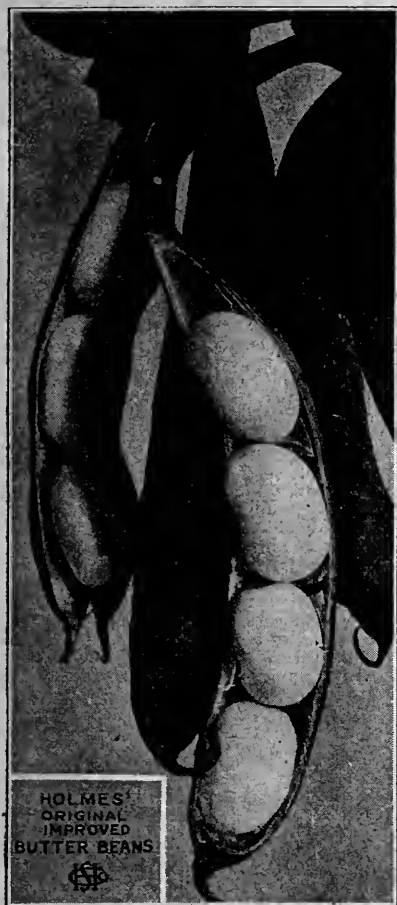
TESTIMONIAL

Holmes Seed Co., Harrisburg, Pa.
Gentlemen:

I have grown your Butter Beans and find them delicious. They cannot be too highly spoken of.

Yours very truly,
Mrs. Ella E. Beck.

Camp Hill, Pa., Oct. 18, 1919.



¼ Original Size

HOLMES' GREEN PROLIFIC POLE LIMA BEAN

GROWS GREEN, KEEPS GREEN AND DRIES GREEN. THE ONLY LIMA BEAN THAT IS ABSOLUTELY GREEN WHEN DRIED

The most productive Pole Lima Bean, as early as the Early Jersey and unquestionably the most prolific of all Pole Limas. See below.

ORIGIN

This Pole Lima was originated in Philadelphia over sixty years ago by Mr. Lafferty, a market gardener, in the "Neck"—that portion of South Philadelphia lying between the Delaware and Schuylkill Rivers. Mr. Lafferty was a gardener of renown who made a specialty of growing Lima Beans for family and hotel trade, and being a very careful gardener succeeded in the course of his lifetime in producing this Bean. Through careful selection of the Beans, close observation and long years of application, he finally became known in his locality as the best grower of Lima Beans in the "Neck." He cherished this Lima Bean and was careful to keep it to himself until he died, when his son, Godfrey, brought it to Mr. Wm. K. Harris, the noted florist in Philadelphia, about twenty-four years ago, and he has used his best endeavors to keep it as true as the original type.

By mail, postpaid. Pkt., 15 cts.; 1 lb., 40 cts.; 2 lbs., 75 cts.; 10 lbs., at 35 cts. By express or freight, 100 lbs. at 30 cts. per lb.



½ Original Size

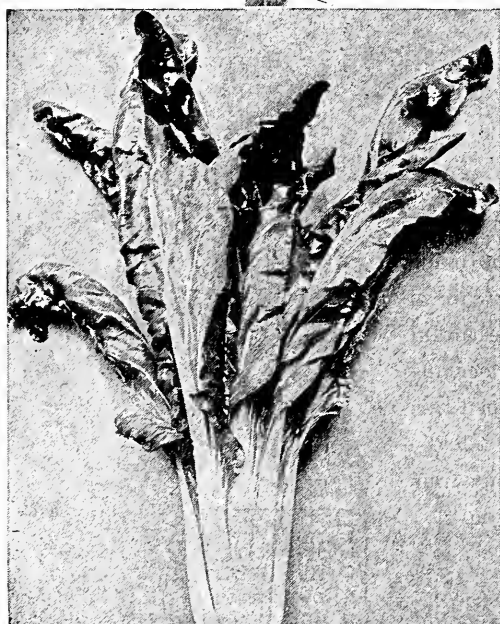
"VICTORY" BEET

A DEEP BLOOD TURNIP BEET, WORTHY OF THE NAME—A VERY EARLY MATURING BEET, THE FINEST SHAPED IN THE WORLD, OF THE DEEPEST BLOOD RED COLOR, FREE FROM ALL WOODINESS AND OF DELICIOUS FLAVOR.

SEE
GREATEST
OFFER EVER
MADE
2nd PAGE
COVER

For market purposes, the "VICTORY" can not fail to be a popular favorite everywhere, as its attractive appearance and perfect globe shape catches the fancy of the most critical buyer. For the amateur, this beet can not be surpassed, being exceedingly early and far superior in quality to the old Egyptian and many of the other early blood turnip beets. The leaves are small, upright, of rich purple color, and borne on slender stems, occupying but a small portion of the bulb. The roots are uniformly medium sized. The surface is remarkably smooth. The color of the skin and flesh is a brilliant, dark fiery red, the richest darkest red of any beet. This intensity of color is retained when cooked. The "VICTORY" is equally valuable for early framework and for the open ground. See illustration.

Price...	Pkt.	Oz.	¼-Lb.	Lb.
	.10	.25	.75	2.75



SWISS CHARD OR SPINACH BEET

Swiss Chard is unique in that it is a two-purpose vegetable. The outside leaves are used as "boiling greens" and are most excellent for this purpose. The large white stalks (see illustration below) are used like asparagus; they are boiled and served in melted butter and are fully as delicious and even more tender than asparagus. If covered with a good mulch of straw, it will come up again early in the spring. May be sown until the first or even to the tenth of July, if small leaves are used.

GIANT LUCULLUS.—The plants grow to a height or two to two and one-half feet. The stalks are as thick and broad as those of rhubarb, being one and one-half inches broad, heavily ribbed, and from ten to twelve inches long below the leaf. The extra-large leaves of thick texture are heavily crimped or "savoyed" and of fine flavor.

Pkt.	Oz.	¼ Lb.	Lb.
.10	.25	.75	2.75



Holmes' White Top Blood Turnip Beet

SPECIALTY**HARRISBURG MARKET BLOOD TURNIP BEET**

The earliest and decidedly the handsomest distinct new Beet in Cultivation

The Harrisburg Market Beet is well represented in the illustration given. It is of true, turnip shape, has a single tap root, a smooth skin, a rich, tender quality and is free from the woodiness so often found in early varieties. It is ready to use in 45 days from time of planting and does not become coarse or stringy with large size like other varieties.

SPECIALTY**HOLMES' DEEP BLOOD TURNIP BEET**

A Valuable Market-Garden Variety

For several years we have been trying, at the instigation of many of our market-gardening customers, to secure a Beet which comes early, is of deep blood color, and has small tops. We have succeeded in securing a variety that, while not as early as the Harrisburg Market, has the color and texture desired. From trials made at our trial grounds it proves to be the best deep blood Beet for both market and home gardeners.

SPECIALTY**HOLMES' BEET**

Exceedingly Tender, Magnificent Form and Blood-Red Flesh

Extremely early, of perfect globe shape and of the finest quality. This Beet we sent out several years ago as No. 27, and the many excellent reports we received convinced us that it was a Beet worthy of introduction. Our trials also convinced us that it was a Beet far superior to anything we had yet introduced.

Bastian's Blood Turnip.—A fine second early, following Egyptian and Eclipse.

Crimson Globe.—The finest table Beet grown. Early, of medium size, uniformly round; color, deep crimson throughout; exceedingly tender and sweet and a good keeper.

CROSBY'S EGYPTIAN.—Very early and of excellent quality; small tops.

Price of above..... ¼ Oz. Oz. ¼ Lb. Lb.
.05 .15 .50 1.50

BEETS

Ruebe Barbabietola
Buraki

Culture.—The soil should be rather light and thoroughly enriched with manure. Sow in spring as soon as the ground becomes fit, in rows about 1 foot apart and 2 inches deep. For main crop sow first week in May; for winter, sow in June. Thin to 5 or 6 inches. One ounce to 50 feet of drill. Sow 5 pounds to the acre. Our selected stock of Beets is uniform and of fine quality. French-grown Beet seed is far superior to that grown in America, producing Beets uniform in every respect. Ours is French.

NOVELTY**HOLMES' "WHITE TOP" BLOOD TURNIP BEET**

A NEW BEET OF SUPERIOR MERIT

A Beet That Advertises Itself

For the past seven years we have been working up the stock of this particular beet, making our selection carefully from year to year, getting it ready to put on the market as near perfection as we could possibly wish. Whoever saw an absolutely light green top beet with pure blood-red root? It is unique in this particular way; it is one of the most tender of beets, of delicious flavor, and is absolutely unsurpassed for quality by any beet that we know of. This grand new beet—HOLMES' WHITE TOP BLOOD TURNIP—is almost globe-shaped, tapering somewhat toward the root. The flesh is a handsome dark red, sweet and tender at all stages of growth, regardless of size. The hard, stringy, wooden-like fiber so common with all other varieties, is entirely absent in this new beet. It is an ideal main crop beet and outsells all others wherever it is known.

Our stock seed of this beet was produced from a single plant which was grown by Mr. W. W. Tracy, of the Department of Agriculture, Washington, D. C. In conversation with Mr. Tracy, he remarked that this was the most unique novelty of the kind that he had ever seen, and he thought it was of so much value that he produced seed that he gave to our Mr. Holmes. He also stated that it was entirely distinct from any other beet he knew of and especially from the beet that was called the Cheltenham, and furthermore said in his opinion we had a great novelty.

We would advise any of our customers who want an exceptionally fine beet to try this. The seed sells at 10 cts. per pkt., 20 cts. per oz., 75 cts. per ¼ lb., \$2.50 per lb., 5 lbs. and over \$2.25 per lb.

THE FOUR BEST BEETS FOR MARKET-GARDENERS**SPECIALTY****HOLMES' EARLY SURPRISE BEET**

For early or late planting

Since its introduction by us several years ago, this extra-early Blood Turnip Beet has become wonderfully popular with both market gardeners and private planters. It is a rich, blood-red Beet, with fine grain and delicious flavor. Equally as good as the famous Harrisburg Market Beet, although a little different in shape. Especially valuable for market on account of extreme earliness and size. See illustration.

DETROIT DARK RED.—A fine strain of turnip-shaped Beet. Valuable for its remarkable uniformity and smoothness; size medium; flesh fine grained, tender and remaining so for a long time; admirable for either early or late.

Dewing's Improved Blood Turnip.—Handsome, smooth and round, tapering at the base; flesh strongly zoned, of fine quality.

Dark Stinson.—Roots good size; tops small; flesh fine grained, free from any woodiness.

Early Blood Turnip.—A standard variety, following Eclipse in earliness; quality excellent; color, deep blood-red; the tops make excellent "greens."

Eclipse.—Extremely early; of uniform globular form; glossy red, flesh fine grained and unusually tender and sweet.

EDMAND'S.—A handsome, uniform, round, turnip-shaped Beet, very smooth and good size; tops small; flesh red and fine quality; fine for late.

Egyptian.—A standard extra early sort, being 10 to 12 days earlier than the old Blood Turnip. The roots are round and flattened, of good size and deep crimson in color; tops unusually small.

HOLMES' PERFECTED HALF LONG.—A Blood Beet of superior quality, tender, sweet and free from woody fibre; for slicing it is unequalled; flesh of vivid rich red color. The bulbs, about 3 inches in diameter, are pear-shaped, with slender tap root.

Lentz.—Leaves and roots are pale in color, but of delicious quality.

Long, Smooth Blood Red.—An excellent late variety, being a great improvement on the common Long Blood and of intense dark red color.

Swiss Chard.—Delicious for Spinach.

Price of above..... ¼ Oz. Oz. ¼ Lb. Lb.
.05 .10 .40 1.50

MANGEL-WURZELS AND SUGAR BEETS Futter Ruben

Culture.—Sow in rows 2 feet apart, 2 inches between seeds, thinning later to 12 to 15 inches. For stock feeding. Long varieties do best in deep soil; round sorts in sandy soil. Five or six pounds will sow an acre.

Golden Giant Intermediate.—Keeps well; grows over half above ground.

Golden Tankard.—Distinct; highly prized by dairymen.

Lane's Imperial Sugar Beet.—American sort; productive.

Mammoth Prize Long Red.—Enormously productive.

Vilmorin Improved Sugar.—Not so large as others, but has as much sugar.

Price of above..... Oz. ¼ Lb. Lb.
.10 .25 .90

SPECIALTY



Holmes' Early



Copenhagen Market Cabbage. The Best Early Cabbage from Denmark



Holmes-Houser Cabbage. Very Late



Holmes' Perfected Late Flat Dutch



PE-TSAI—From a Photograph

Pe-Tsai, Chinese or "Celery" Cabbage

The new vegetable known as Chinese celery cabbage was unknown in this country, except among the Chinese of the Pacific coast, but it is now being grown in every state in the Union by those who are ready to grow something new and try it in every possible way to determine the good qualities. The culture is the same as for Winter Cabbage.

Is not found practical to grow it in the early summer, as it inclines to go to seed without heading. The seed should be sown in July to September, half inch deep in the row, and rows about 24 inches apart. When the plant has grown up 5 or 6 inches in height thin to 10 inches apart, keeping the best and pulling up the others. Cultivate well, and when large enough should be blanched by earthing up and tying closely with burlap. Any good soil is sufficient, a most excellent vegetable can be grown. Develops quickly, and as the weather gets cooler, it heads up nicely, producing nice, crisp, celery-like stalks, closely headed in, until it forms quite a compact mass. It can be eaten raw, made into salads, or cooked as cabbage or greens. Does not require long to cook thoroughly. Is rapidly finding a place in the markets, and people are using it as rapidly as it is brought to them. Will be found an excellent addition to late summer and autumn vegetables.

Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, 1 lb. \$4.00 postpaid.

CABBAGEPURE AMERICAN-GROWN
TESTED SEED

Kopfkohl

Cavolo cappuccio

Kopusta

For years we have given the selection of Cabbage seed particular attention. We have selected only such varieties as are certain to be of great value to all growers. Our seed is from stocks carefully selected and tested on Long Island.

Culture.—Sow in hotbeds in February, or still better, from September 10 to 20 and winter the plants over in a coldframe. Transplant March 15 to April 15 about 20 inches apart, in rows 2 feet apart. For second-early crop, sow seeds of early kinds early in April and plant out in May. For a late crop, sow early in May and plant out in July; the plants 2 feet apart in rows 3 feet apart. One ounce will produce 1,500 to 2,000 plants.

SPECIALTY

HOLMES' EARLY.—The Largest Early Round-Headed Cabbage. Five years ago, as "No. 138," we sent out samples of this new Cabbage. Before listing it, we desired to get the sentiment of practical growers, and test it out in every particular as to solidity, season, growth, ability to withstand dry weather and hot sun, to do well in all soils in all parts of the country. It has been all we hoped it would be; in fact, from our own tests, and from reports received, it has far exceeded expectations. This new Cabbage combines two good qualities—large size and very early season. The heads are large, globe-shaped, solid, finely ribbed. Resists blight and drought.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.10	.60	2.25	6.00

DANISH BALLHEAD, or HOLLANDER.—This Cabbage has few equals for winter use. It is highly prized in Denmark, and is grown there almost exclusively for winter Cabbage. The heads are round, 8 to 10 inches in diameter, and very solid, with few outer leaves. The quality is second to none.

DANISH ROUNDHEAD.—An earlier, shorter stemmed type of the Danish Ballhead. Danish Roundhead, with less outer foliage, is better able to resist blight, being, in most sections, as vigorous in growth as the best American types. The heads average larger and mature nearly two weeks earlier. The heads are unusually solid, and beautifully white when trimmed. They are splendid keepers.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.10	.40	1.50	5.00

DANISH RED STONEHEAD.—Vigorous, hardy, sure-heading, large and heavy, and, as it has a neat habit, requires small space and can be planted close together. The heads are solid, well shaped, and of a dark red clear through.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.10	.40	1.50	5.00

SPECIALTY**THE HOLMES-HOUSER, or "H-H"
CABBAGE**

Noted for Its Fine Grain, Smallness of Heart and Keeping Qualities

**MARKET GARDENERS' IDEAL. A CABBAGE WHICH HAS
WEIGHT AND SIZE**

Introduced by Holmes Seed Co. thirteen years ago and has grown into popular favor. No other late variety can approach it in quality, size, productiveness, smallness of heart and good keeping qualities. Our original stock produced heads exactly like the illustration, and it is remarkable what enormous crops are produced from this variety. To keep the seed pure and selection perfect, we entered into a contract several years ago with Mr. Houser to supply us with one pound of seed of his own selection at a cost of \$50. This seed is then sent to Long Island to one of the best cabbage growers, where it undergoes a second selection. Our agreement with the grower is that we take the entire crop, and not a single ounce of this seed is to go to any other seedman. Consequently, the pure and genuine stock can only be had direct from us, or from some of our regular wholesale dealers to whom we sell the seed.

To protect the public this year from unscrupulous dealers who claim to have the originator's stock, we will sell this seed only in sealed packages. Look for the seal on every package, and make your dealer show you our seal with our name on it.

A WARNING.—It is absolutely necessary to plant out the Holmes-Houser Cabbage two weeks earlier than any other late sort, as it requires this much longer to mature than the flat Dutch types or any other late variety.

NOTE.—The crop of Cabbage this year was very short, owing to the climatic conditions. We would warn you against seed offered as Holmes-Houser by many unscrupulous dealers.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.10	.75	2.75	10.00

SPECIALTY**COPENHAGEN MARKET**

Offered for the First Time in 1911. It Proved to be the Best Early Cabbage from Denmark. Remember, as Early as the Charleston Wakefield

A valuable new, early Cabbage, producing round, hard heads very early in the season. As early as the Charleston Wakefield. It is the most popular early Cabbage in the markets of Copenhagen. Market gardeners here who tried it for the first time last season are simply crazy about it on account of its extreme earliness and solid, 10-pound heads, with a small core and always of excellent quality. The plants are short-stemmed, producing heads almost on the ground. The light green leaves are medium

in size, saucer shaped, and are always tightly folded; the plants may therefore be set closer than most other early varieties. It is a vigorous grower and yielder, as are all Cabbages from Denmark, and an excellent keeper. Our stock of Copenhagen Market comes to us direct from the originator. By mail postpaid.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.10	.60	2.25	6.00

EXTRA-EARLY VARIETIES

EARLY JERSEY WAKEFIELD.—This famous Cabbage still retains its lead. The heads of pyramidal shape, with blunt peaks, and are remarkably solid. The outside leaves are small, though of great substance, enabling the plants to stand severe weather. Our seed is from highly bred, selected stock and is unequaled.

EARLY CHARLESTON WAKEFIELD.—This is the largest Early Cabbage, which we bred from the Early "Jersey" Wakefield, to meet a demand for a larger heading sort. It possesses all the valuable characteristics of the parent, with the advantage of the heads being 50 percent larger, though a few days later. Our strain of seed is very superior.

Prices of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.10	.35	1.25	4.00

Extra Early Express.—Earliest of French Cabbage; small, pointed head.

Early York.—Very early, producing small, oval-shaped heads.

Early Winingstadt.—An old, popular, medium early variety, with large, pyramidal heads of excellent quality; good to succeed the extra earlies.

ALLHEAD EARLY.—A flat head, coming in with Early Summer; much larger.

Early Flat Dutch.—We offer a remarkably fine strain; a sure header. The head weighing from ten to twelve pounds; most valuable for forcing or for general crop.

Prices of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.10	.35	1.25	4.00

SECOND-EARLY, or SUMMER VARIETIES

Early Summer.—This peerless variety; it makes a large, solid, round flat head, coming about ten days later than Wakefield.

Succession, Henderson's. Universally conceded to be the grandest Cabbage in existence for either summer or winter use; heads hard and uniform, ten to twelve pounds in weight; quality extra fine and a good keeper.

ALL SEASONS (VANDERGAW).—One of the finest; growing to a large size quickly. Will stand hot sun and dry weather.

Fottler's Improved Flat Brunswick.—Large, solid heads; fine for early or late. Considered by many gardeners as second to none of the second-early varieties.

LIMITED MAIL.—A superb second early variety. Produces hard, pointed heads of good size. Often sold as Lightning, Express and several other fancy names.

Stein Early Flat Dutch.—An excellent variety for winter use and valuable for market-gardening.

Prices of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.10	.35	1.25	3.75

LATE, or WINTER VARIETIES

Autumn King, Henderson's.—The acknowledged "King" of all Winter Cabbages, excepting only Holmes-Houser, producing enormous solid heads, weighing 25 to 30 pounds: interior crisp, fine-grained, white; splendid keeper.

HOLMES' PERFECTION LATE FLAT DUTCH.—Our improved highly bred strain of this old favorite Winter Cabbage will be found very superior.

Short-Stem Drumhead.—Selected strain; ripens early.

Red Dutch.—For pickling.

Surehead.—Fine large solid heads, with few outside leaves.

SAFE CROP.—(Same as Houseman's Late Flat Dutch.) A good strain.

Perfection Drumhead Savoy.—The largest heading Savoy; a general favorite for both home use and marketing.

Prices of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.10	.35	1.25	3.75

PRICES ON LARGER QUANTITIES QUOTED BY MAIL

CELERIAC TURNIP-ROOTED
CELERY

Knoll-Sellerie

Sedano-rapa

Brukwiana

Large, turnip-like roots which keep well for winter use. Fine cooked, for flavoring soup or sliced and used as a salad.

Large Smooth Prague.—Almost round, uniform, smooth-skinned; free from side roots.

Price of the above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.10	.30	1.00	by mail, postpaid

CHICORYCichorienwurzel
Cicoria selvatica Cukorya

Large-Rooted or Coffee.—Largely used as an adulterant or substitute for coffee.

Price of the above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.05	.15	.35	1.00 by mail, postpaid

COLLARDS

Georgia.—A substitute for cabbage, grown in the South. Leaves, when cooked, are tender and delicate.

Price of the above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.05	.15	.35	1.00 by mail, postpaid

CORN SALADFeldsalat
Valeriana

Large-Leaved Feticus, or Lamb Lettuce.—For late fall, winter and spring. Used as a substitute for lettuce.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.05	.10	.25	.75 by mail, postpaid

CRESSGartenkresse
Rzerzucha Agretto

Fine Curled (Pepper Grass).—Quick-growing, crisp, pungent, refreshing.

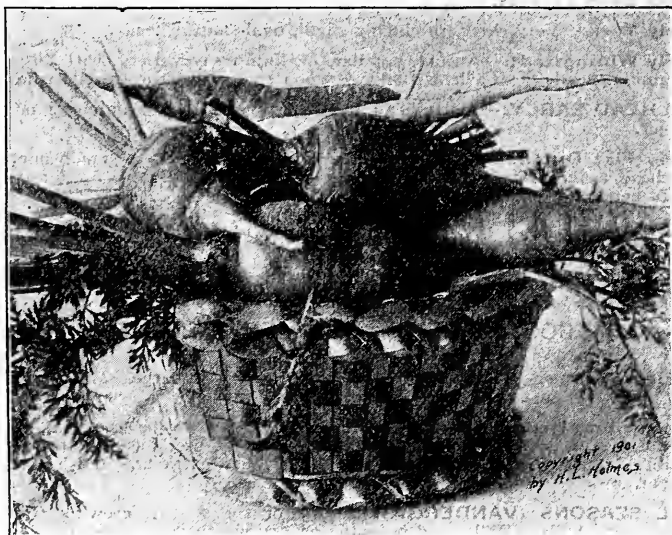
Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.05	.10	.20	.50 by mail, postpaid

Water Cress.—Seed may be started in pans or boxes of very moist earth, and the young plants transplanted to shallow water along banks of ponds or running streams.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.10	.40	1.25	3.50 by mail, postpaid



Holmes' Dry Weather

**CARROTS**Mohren Caroto
Marchew

One ounce will sow 100 feet of drills; three pounds an acre

Culture.—A good, light, well-enriched sandy loam is the best for this crop. Market gardeners sow in drills about 18 inches apart, and cultivate by hand. For field culture, sow in drills from 3 to 5 feet apart, so as to cultivate by horse. For early crops, over ½ inch deep, thin to 6 inches apart. For late, cover ¾ of an inch.

Please remember to deduct 10 cents per pound from these prices if ordered by express or freight at purchaser's expense

PRICES, DELIVERED FREE IN THE UNITED STATES, UNLESS OTHERWISE NOTED

Early Half-Long Scarlet.—A distinct, slender, cylindrical variety, with few and small leaves; skin glossy and smooth; flesh red and without core; extra fine. Fine for forcing and frame.

CHANTENAY HALF-LONG SCARLET.—A stump-rooted variety of handsome shape, medium early, very productive and of fine quality.

DANVERS HALF-LONG.—A handsome, smooth, cylindrical stump-rooted variety of rich, dark orange color; flesh of close texture, good quality, with but little core.

Early French Forcing.—The earliest, and largely grown for forcing. Small, almost globular; roots orange-red in color.

Early Scarlet Horn.—A popular early variety, 3 to 4 inches long and blunt-rooted; it is a favorite for bunching for market and is sometimes forced. A fine table Carrot, and when pulled young is excellent for soup.

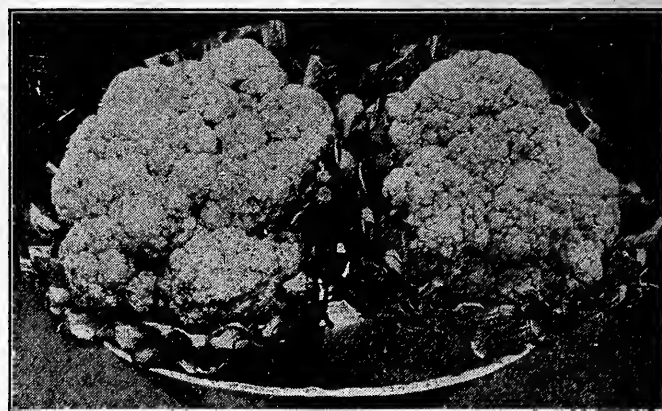
Long Red Altringham.—A shapely stump-rooted variety of medium size and the best for private gardens, for summer use; medium early.

Long Orange Improved.—An improved strain of this popular variety for either garden or field culture, roots averaging 12 inches in length and 3 inches in diameter at the top; an enormous yield and a good keeper.

OXHEART, OR GUERANDE.—Very distinct and desirable Carrot. Smooth, handsome, very thick and blunt-rooted; about 6 inches long, rapid grower and of fine quality; color orange-red; good all-season Carrot.

White and Yellow Belgian.—Used principally for stock.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.05	.15	.50	1.75



Holmes' Improved Early Snowball Cauliflower

CAULIFLOWERBlumenkohl Cavolfiore
Kalafiori

Culture.—For spring and early summer crop sow in March or early in April in hotbed; transplant to coldframe when sufficiently large, and to open ground as soon as danger of frost is over. For late crop sow at the same time as for late cabbage. One ounce of seed will produce 1,000 plants.

HOLMES' DRY WEATHER CAULIFLOWER.—Reaches Perfection when Ordinary Sorts fail. This new strain originated in Denmark, but has been fully tested in America with the most happy results. We offered it in 1907 for the first time and are well satisfied with its behavior. It produces a large, solid, pure white head, maturing a little later than Snowball. It is in all respects a first-class Cauliflower, but is especially and peculiarly adapted to dry situations and to resisting the effects of droughts. It will not thrive in poor soil or under bad treatment, as, like all other Cauliflowers, it requires manure and culture, but it will succeed with less rainfall than any other variety within our knowledge. It will also do well in moist or wet seasons, making heads equal to the best; but it is in dry seasons that its merits appear to best advantage, and we are confident that it will extend the culture of this delicious vegetable into locations in which it is practically unknown. See illustration.

Price of above.....	Pkt.	¼ Oz.	Oz.	¼ Lb.	Lb.
	.20	.85	3.00	8.00	30.00

Extra-Early Dwarf Erfurt.—Good-sized heads; fine for open ground fall crop.

Price of above.....	Pkt.	Oz.	¼ Lb.
	.15	2.50	7.00

HOLMES' IMPROVED EARLY SNOWBALL.—A grand Cauliflower. For forcing, coldframe or open ground. See illustration.

Price of above.....	Pkt.	Oz.	¼ Lb.
	.15	2.50	7.00

Veitch's Autumn Giant.—A large-growing, late variety, splendid white heads.

Price of above.....	Pkt.	Oz.	¼ Lb.
	.05	.60	2.00

CELERY

Sellerie Sedano
Sellery

Culture.—Sow in a newly prepared seed-bed, and keep the bed moist. In setting, prepare shallow trenches, 6 inches deep and 4 to 6 feet apart, the plants 6 inches apart, cutting off the outer leaves and pressing the soil firmly about the roots. Good plants may be set out as late as the middle of August. One ounce of seed will produce 4,000 plants; one pound will produce sufficient plants for an acre.

These grow quickly, blanch easily and are especially adapted for fall and early winter use.

A FEW LETTERS TO CONVINCE YOU THAT "HOLMES EMPEROR" CELERY NAMED AND INTRODUCED BY US IN 1912 IS THE BEST FOR WINTER USE

Miller Bros., of Elmira, N. Y., dealers in Farm and Garden Products, write—February 27, 1919:

"We must say that your 'Emperor' Celery is the finest stock ever introduced as a late, green celery. There never was anything equal to it for size and quality, also keeping qualities. We are just winding up last season's crop and assure you there was never any celery on the market this time of the year, that ever came up to it. Absolutely no sale for Columbia or Pascal among the best dealers as long as our stock of Emperor lasted."

C. C. Morse & Co., Seed Growers of San Francisco, California, write:

"A few years ago you had a very fine strain of celery, which Mr. W. Atlee Burpee bought from you and sold under the name of Emperor, and while we have some stock of our own growing, we are inclined to think that your strain is superior. Will it be possible for you to let us have two or three ounces of it for stock seed?" (Signed, Lester L. Morse, President & General Manager.)

Mrs. J. Mac Graham, R. D. No. 9, Carlisle, Pa., writes:

"I planted the 'Emperor' Celery seed which I purchased from you and it is a magnificent celery. My friends told me I had the finest celery that came to Carlisle market."

Mr. John H. Sholly, Jonestown, Lebanon County, Pa., writes:

"I have been planting your 'Holmes Emperor' celery since the first year you sent it out in trial packets, and I would advise everybody to plant the 'Emperor', for it is by far the best celery that I ever raised and I have tried nearly every kind that I could find, but never found anything near its equal for quality or flavor. When you send my seeds, please send the Emperor Celery in eight packets, not all in one as some do, for I want a few packets for some of my friends."

Early Varieties

HOLMES' IMPROVED GOLDEN SELF-BLANCHING CELERY (FRENCH GROWTH) THE BEST EARLY CELERY

Critical Market Gardeners Say Ours is the Finest They Ever Had

For some time past we have been carefully selecting the stock of this well-known Celery from the original strain. We believe now we have so far perfected it that when once grown you will have no other. The stalks are much broader than the White Plume and greatly superior in quality, and is ready for market almost as soon, producing dwarfier and much larger bunches of fine, heavy stalks, which are crisp, tender and of nut-like flavor. We can recommend this particular strain to our customers. Price of above, French Grown Seed. Pkt. 1/2 Oz. Oz. 1/4 Lb. Lb.

.15 .75 1.50 4.00 15.00

IMPROVED SNOWWHITE CELERY

The new Snowwhite is a pure white, self-blanching Celery, introduced in 1902, after five years of careful selection and improvement. It is without a rival in purity of color.

Holmes' Scarlet Plume.—Practically identical with White Plume; solid, stringless, flavor delicious, crisp and nutty.

Price of above..... Pkt. Oz. 1/4 Lb. Lb.
By mail, postpaid .05 .20 .50 1.75

HOLMES' SELECTED WHITE PLUME.—Earliest variety grown; can be blanched for the table in September.

Price of above..... Pkt. Oz. 1/4 Lb. Lb.
.05 .35 1.00 3.50



EASY BLANCHING CELERY

The QUICKEST and EASIEST TO BLANCH—Superb quality, stringless and fine flavor

A new variety of Celery with remarkable easy blanching characteristics, so much so that even those who have never been successful in growing good Celery may plant it with the assurance that the crop will equal in quality and appearance any Celery grown by the professional growers, and it will be found useful both for early use and for keeping during the winter months, characteristics which are extremely valuable in a Celery to be grown in the home garden.

The plants make a quick, healthy growth and the stalks are thick, very tender and brittle, with a rich flavor which will quickly appeal to all who eat it, and the ease with which it may be blanched, together with its long season for use, will strongly recommend it both to the amateur gardener as well as the commercial Celery grower. Pkt., 10 cts.; 1/2 oz., 50 cts.; oz., 75 cts.; 1/4 lb., \$2.75; lb., \$10.00.

Holmes' Emperor Celery

Second-Early, Long-Keeping and Winter Varieties

HOLMES' NEW GREEN CELERY, EMPEROR INTRODUCED BY US IN 1912

The finest-flavored, most brittle Celery ever grown

One of the largest seedsmen of the country said: "It is the greatest novelty that has been introduced since the introduction of the Burpee's Bush Lima Beans."

For seven years we have been selecting this seed, and growing from individual specimens to firmly establish the good qualities as given below:

First: To retain the flavor, which, in the green state, is as fine as when bleached.

Second: Solidity, free from the hollowness so often found in many Celeries.

Third: The stems, instead of being moon-shaped, we have been breeding to as near round as is possible, and are found only in "Holmes' Emperor," a distinguishing characteristic not found in other sorts, and is fully established. When we say it surpasses every Celery known, you can rest assured we know. The market-gardener who grows Holmes' Emperor will find a ready sale for it.

Price of seed, originator's own stock, sealed..... Pkt. 2 Pkts. 1/2 Oz. Oz. 1/4 Lb. Lb.
.15 .25 .50 .85 3.00 10.00
Seed as sold by other dealers .10 .15 .25 .40 1.25 4.00

NEW COLUMBIA CELERY

A very early-maturing sort, unsurpassed in shape and quality, very stocky and heavy. The stalks are thick, almost round, resembling those of the Giant Pascal. The color has more of the rich yellow tint of the Golden Yellow Self-Blanching, which it resembles when trimmed and bunched for the market. Its quality is certainly fine, some connoisseurs considering it superior to any other variety.

Price of above..... Pkt. Oz. 1/4 Lb. Lb.
.05 .50 1.50 5.00

Dwarf Golden Heart.—Large heart; solid stalks, blanching golden yellow.

GIANT PASCAL.—Desirable green winter Celery. Long-keeping; robust, healthy, stocky, 2 feet high.

Giant White Solid.—Sold as large-ribbed Kalamazoo. Compact-growing variety.

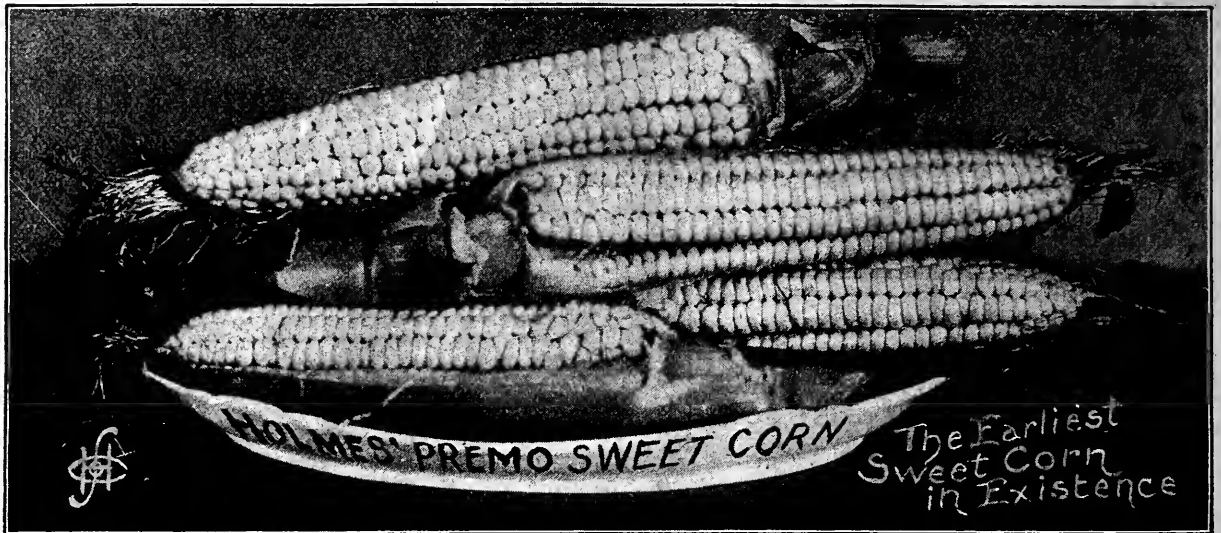
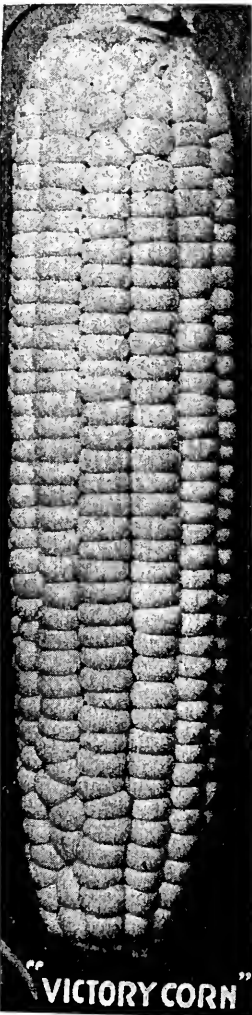
Perfection Heartwell.—Splendid for late use; excellent keeper; fine flavor.

WINTER QUEEN.—Best late or winter keeper; ribs thick; very solid.

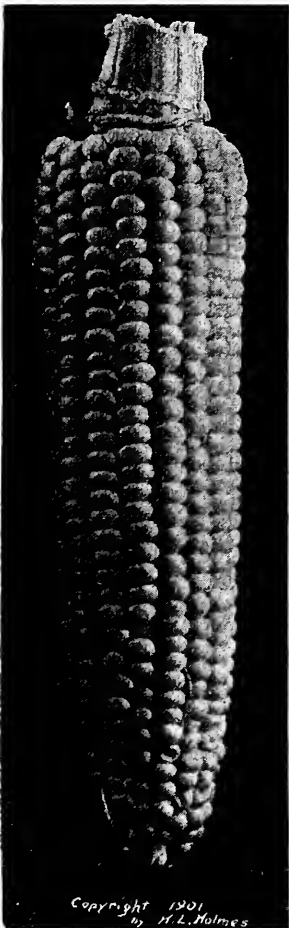
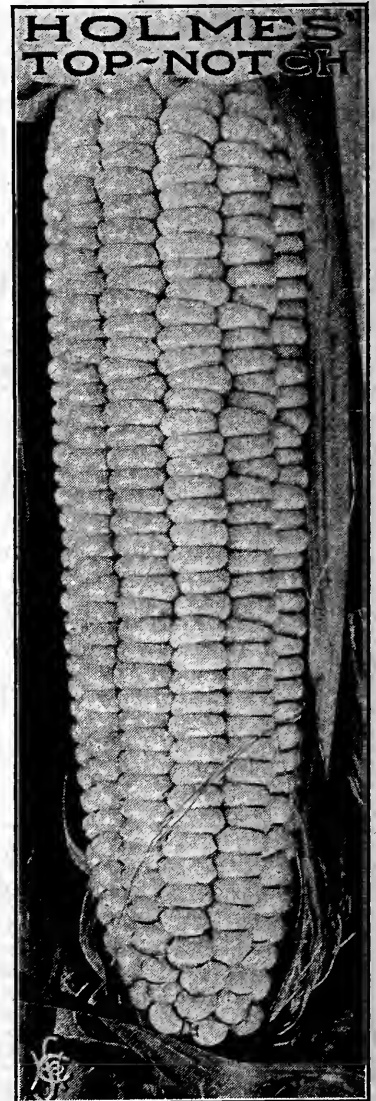
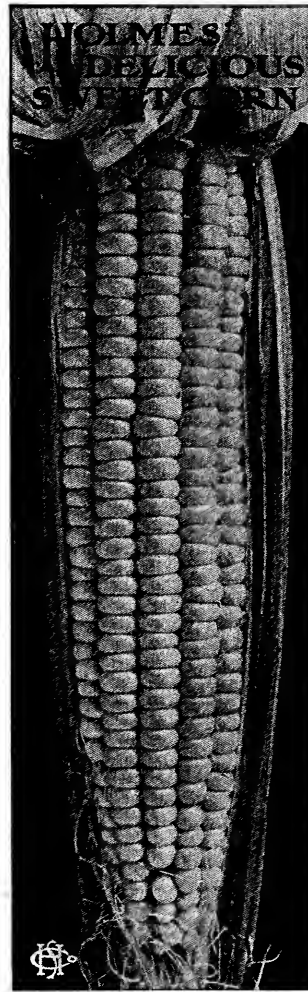
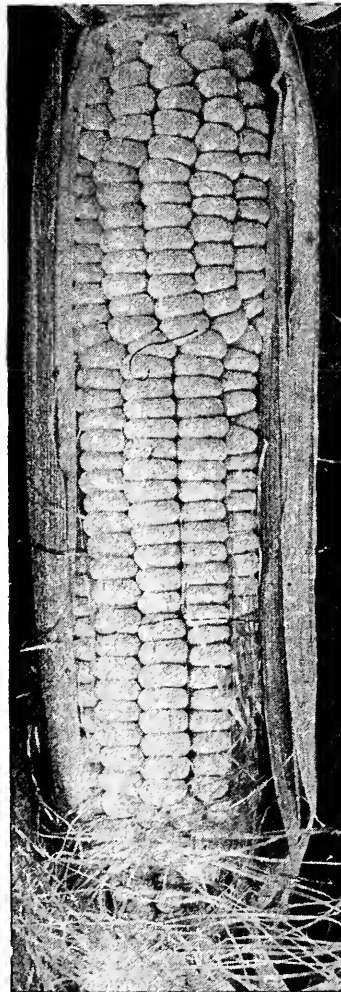
Price of above..... Pkt. Oz. 1/4 Lb. Lb.
.05 .25 .75 2.50

Giant Pascal, our own growing.. .05 .30 .90 3.00

Soup Celery. (Old seed.) Excellent for flavoring. Lb. 50 cents.



BE SURE TO ADD OUR COVER COLLECTIONS
TO YOUR ORDER.



Holmes' Gold Coin
Evergreen

VICTORY SWEET CORN

READY FOR MARKET
IN SEVENTY DAYS

The Sweetest, Largest Eared and Most Prolific Sweet Corn Ever Introduced

"VICTORY" SWEET CORN can be planted as early as the Premo, when weather conditions are right. This corn will come in from seventy to seventy-five days, from ten to fifteen days later than the Premo, which is considered the earliest sweet corn grown today. The ears contain twelve rows of deep grains, which are protected by a heavy husk and two fine ears are frequently produced on one stalk.

C. S. CLARK, the noted Corn Grower of Ohio, says:

In regard to the Victory Corn will say that it is a splendid grower, very sweet and tender, fodder grows same height as Stowell's Evergreen, full of red cast fodder making it very pretty to look at. The corn is itself pure and clean, free from smut, is well bred. You cannot say too much in its favor. It is a splendid shaped table ear, being eight to twelve rowed and is about the same season as Stowell's.

It retains its whiteness when put up in the can, as distinct from the yellow tinge of the still popular original Stowell's Evergreen.

Price, Per pkt. 10c; Lb. 40c; 2 lbs. 75c; 100 pounds \$30.00

SWEET, or SUGAR CORN ^{Mais Kukurudza} **These prices are subject to change without notice**

Culture.—Sugar Corn requires a good soil and a warm situation. Begin for first early by planting the early varieties about May 1, and, for a continuous supply all summer, make plantings about two weeks apart, from May 1 until late July, first planting early varieties, then later ones. Plant in rows 3 feet apart each way. One quart for 200 hills, 8 to 10 quarts in hills for an acre.

SPECIALTY

'HOLMES' PREMO

Ready for the Table 60 days after Planting. We originated and introduced this variety in 1900

One of the earliest and best Sweet Corns in existence. The best seed can be had only from the introducers. Market gardeners will make no mistake in planting this Corn for a money crop. It is a success, not an experiment.

Holmes' Premo is of the best quality. It is tender, sweet, deliciously flavored, and the ears are well filled to the very tip. It is so early that there is a full crop at the time of the very highest price. The stalks, which grow very strong and stiff, about 5 feet high, are free from smut and will grow in any soil, as well as resist drought and bad seasons generally to a very marked extent. See illustration.

NOVELTY

HOLMES' SWEETHEART

Delicious Flavor; Ears 8 to 10 inches; Twelve Rows

This new sweet corn, now for the first time introduced by us, is one of the most valuable sweet corns offered in many years. The ears measure 8 to 10 inches in length, symmetrical shape with twelve even rows of broad and very deep grains covering the small white cob from heel to tip. The cobs range in diameter from three-fourths to one inch. The grains do not shrink so much when rightly cured and dried as some of the other types, such as Country Gentleman and Evergreen. "Holmes' Sweetheart" is the outcome of a selection from both the Evergreen and Country Gentleman, and then crossed again with a variety which was obtained from a garden specialist, which he named "French Honey," retaining the sweetness of the latter and the depth and breadth of the grain from the former varieties. It is a main crop, coming in two weeks earlier than the Evergreen. The grains are a silvery gray, semi-transparent. The stalks average in size from 7 to 9 feet. This depends greatly on the soil where planted. It is a full cropper, thrifty, hardy and prolific. Frequently, there has been as many as four well formed ears on one stalk, two on each side. It can be planted in this locality about May 1 to 10, afterwards in regular succession of ten days. See illustration, back cover.

Price of above.....	Pkt.	Lb.	2 Lbs.	100 Lbs.
	.10	.35	.60 postpaid.	25.00

SPECIALTY

HOLMES' TOP-NOTCH

Delicious Flavor. Ears from 10 to 12 inches Long

For several years we have been growing this variety. The **Top-Notch** strongly favors the Early Mammoth, but is much longer in the ears, measuring 11 inches. The grains are rather deep, and, as one gardener pronounces it, "the most delicious Corn for a late variety I ever used." It comes in about the same season as early Evergreen and is the largest and best Sweet Corn grown. Anyone desiring Sugar Corn producing ears of immense size, delicious flavor and earlier than the Evergreen, will do well to give the **Top-Notch** a trial. It comes in at the time when Sweet Corn brings its best price. See illustration on cover.

Prices of above.....	Pkt.	Lb.	2 Lbs.	100 Lbs.
	.10	.35	.60 postpaid.	25.00

SPECIALTY

HOLMES' GOLD COIN EVERGREEN

Every gardener in the world knows the Evergreen Corn. Our **Gold Coin** is a selected strain of the old Stowell's Evergreen, being more even and coming in even throughout the crop. We can recommend it as being far superior to the old strain and will test 90 percent of vitality. See illustration.

Prices of above.....	Pkt.	Lb.	2 Lbs.	100 Lbs.
	.10	.30	.60 postpaid.	22.00

SPECIALTY

MORSE'S GOLDEN CREAM SWEET CORN

**GOLDEN YELLOW COUNTRY GENTLEMAN
FLAVOR DELICIOUS**

The verdict has been unanimous in its praise. Everywhere it has proved a much better Sweet Corn than we ourselves had anticipated, and we feel that it is worthy of first place among vegetable attractions this season. The kernels are long and pointed and are borne on a very slender cob in irregular rows. In its green state the kernels are light yellow, but they cook to a bright golden yellow. The stalks grow about 4 to 5 feet high and bear from two to four ears. The shucks are tinged with brown and the tip of the silk is also slightly brown. The ears vary in size, but average about 5 inches in length—rather smaller than the old-fashioned Sweet Corn, but easily handled in eating. The flavor is delicious and in sweetness and tenderness resembles both parents, **Golden Bantam** and **Country**

Gentleman. It is as early as the former, being one of the first of the main-crop varieties. We hope every one of our customers who has a spot in his garden will try it.

SPECIALTY

GOLDEN BANTAM SWEET CORN

This corn is extra early, very sweet and of a delicious flavor. As indicated in its name, the grain, when ready for use, is a rich, creamy yellow, deepening to an orange-yellow as it ripens. We do not recommend it as a market sort, as its color gives it the appearance of being old; but when once used it will be popular on account of its rich flavor.

Prices of above.....	Pkt.	Lb.	2 Lbs.	100 Lbs.
	.10	.40	.75 postpaid.	30.00

SPECIALTY

HOWLING MOB, NEW

The finest large-eared second-early Corn, of delicious flavor. In the vicinity of Pittsburgh the gardeners plant this extensively, as they claim it is far ahead of any other second-early Corn and sells on sight.

FIRST-EARLY VARIETIES

Early Adams, or Burlington.—Robust; early; productive; handsome ears for marketing, but of inferior quality.

Early Metropolitan.—Ears 9 inches long; 10 to 12-rowed, filled with luscious white milky kernels.

EARLY MINNESOTA.—Standard early of dwarf growth, coming in between Cory and Crosby's; ears fair size, good quality.

Extra-Early Dwarf Adams.—Not Sugar Corn, but sweet and tender. Small ears.

KENDEL'S EARLY GIANT.—Large handsome ears; ready in 70 days.

PEEP O'DAY. New. Good early variety.

White Cob Cory.—Extremely early, usually fit to use in from 50 to 60 days; ears 6 to 7 inches; milky white kernels; sweet, tender. Plants dwarf.

Prices of above.....	Pkt.	Lb.	2 Lbs.	100 Lbs.
	.10	.25	.45 postpaid.	22.00

MEDIUM-EARLY VARIETIES

Black Mexican.—Medium early, 8-inch ears, well filled with large kernels which, though black when ripe, are white when green and then exceptionally sweet.

CLARK'S NONESUCH.—Best large-eared, second-early Sweet Corn.

Crosby's Early. Second early, of fine quality.

Early Mammoth, or Asylum.—Much earlier than Late Mammoth.

NEW EARLY EVERGREEN.—Ears as large as Stowell's; 10 days earlier.

Perry's Hybrid.—Second early; large, white kernels; sweet; tender.

Shaker's Early.—Very large, white grain; early; productive.

Stabler's Early.—Large eared; second early; sweet.

Holmes' Delicious.—Very sweet, large and tender.

Prices of above.....	Pkt.	Lb.	2 Lbs.	100 Lbs.
	.10	.25	.45 postpaid.	22.00

LATE, or MAIN-CROP SWEET CORN

COUNTRY GENTLEMAN (Shoe-Peg, or Ne Plus Ultra).—Ears 8 to 9 inches long; cob small and irregularly crowded with pearly white kernels of great depth; surpassingly sweet and tender.

Egyptian, or Washington Market.—Fine for market; ears large.

HENDERSON SUGAR.—An ideal midseason Sweet Corn.

Hickox.—Earlier than Stowell's Evergreen; good for drying.

Mammoth.—Very late; ears 14 inches; broad, white kernels; superb quality.

Moore's Concord.

STOWELL'S EVERGREEN.—The standard late, for home, market and canning; kernels long, tender and sugary.

WHITE EVERGREEN.—A high bred, ideal type of Stowell's Evergreen, with all its points of merit.

Zig-Zag Evergreen.—Good-sized ear; deliciously sweet.

Pop Corn: Golden Queen and Silver Lace.

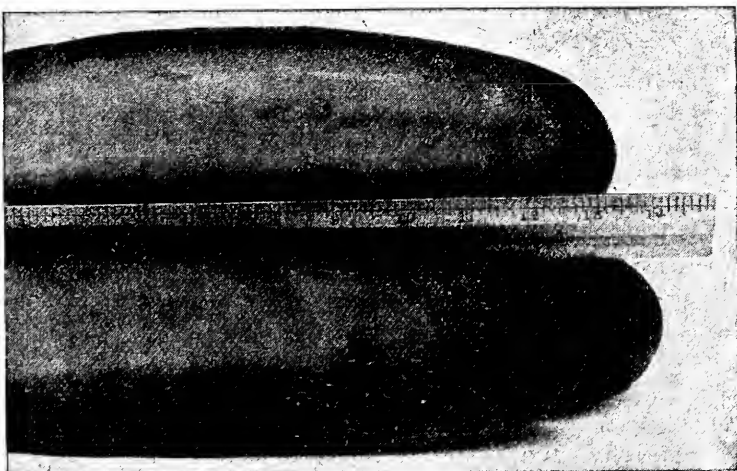
Prices of above.....	Pkt.	Lb.	2 Lbs.	100 Lbs.
	.10	.25	.45 postpaid.	22.00



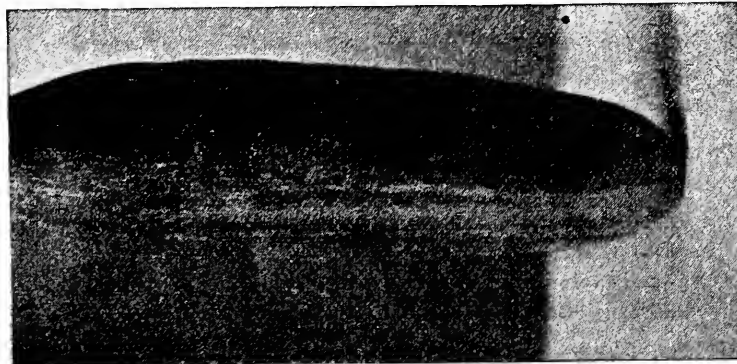
Improved White Spine Cucumber



Holmes' Special White Spine Cucumber



Holmes' Improved Long Green Cucumber



Davis Perfect Cucumber



Holmes' Perfect



The Davis Perfect Cucumber

CUCUMBERS

Gurken Cetriolo
Ogorek

One ounce will plant about 50 hills; one to two pounds to the acre

Culture.—An ounce will plant about 50 hills. Sow about first of May in turned-over sods or small pots, which can be bedded in the soil in the frames, and use little bottom heat. Transplant to open ground in three or four weeks; plants 3 or 4 feet apart each way, four strong plants to each hill. Two to three pounds per acre.

SPECIALTY

HOLMES' SPECIAL WHITE SPINE

This Cucumber can not be praised too highly. It is nothing more or less than an extra-fine type of what is unquestionably the best and most widely grown Cucumber in America. It is unsurpassed as a table and market sort, and is also used for pickling. No other kind exceeds it in productiveness, and it is equally good for forcing under glass or growth in the open air. We have a record of where a single hill of three vines produced over 500 Cucumbers during the season. The fruit is from 5 to 7 inches long and 2 to 3 inches in diameter. Color, a beautiful dark green; straight, and does not turn yellow. The illustration shows most accurately the fine shape this Cucumber attains.

Cool and Crisp.—Extra early, tender and crisp, and a grand pickler.

DAVIS PERFECT.—A forcing variety of excellent quality, shape and productiveness. See illustration.

Early Cluster.—An early, prolific, prickly, short green Cucumber.

Early Frame, or Short Green.—For slicing or pickling; productive; early.

Everbearing.—Form perfect; rich, deep green; desirable for pickling.

Extra-Early Green Prolific.—Ideal for pickling.

Extra-Early Long Green.—Very early and prolific.

Fordhook Famous.—Smooth, dark green fruits measuring 12 to 18 inches.

HOLMES' IMPROVED ARLINGTON WHITE SPINE.—Early; very productive; fruit good size, straight and well formed.

HOLMES' JERSEY PICKLE.—Produces more dark green pickles than any other variety we ever tested.

HOLMES' IMPROVED LONG GREEN.—Fruits 12 to 14 inches long; firm; crisp; excellent.

Klondyke.—An exceedingly productive variety; dark green in color.

Livingston's Emerald.—Large, smooth; deep green.

Cumberland.—Very prolific; fine for pickling or slicing.

Nichol's Medium Green.—Very productive; unsurpassed for pickling.

Price of above	Pkt.	Oz.	¼ Lb.	Lb.
	.05	.20	.60	1.50

NOVELTY

HOLMES' PERFECT

Its good qualities are its extreme earliness and prolificness. Very hardy, resisting unfavorable weather conditions; very dark green; attractive shape, and is a good size for slicing. A most profitable sort for shipping to distant markets.

Price of above	Pkt.	Oz.	¼ Lb.	Lb.
	.10	.20	.75	2.75

West India Gherkin, or Burr.—Small, prickly fruits; best for pickles.

Price of above	Pkt.	Oz.	¼ Lb.	Lb.
	.05	.25	.60	2.00

DANDELIONLoewenzahn Dente di leone
Papawa

A useful salad plant, especially when Endive and Lettuce are scarce in winter. The roots are grown in a similar manner to Chicory, and large quantities of the blanched leaves are sold in the market for this esculent.

Improved Large.—Leaves broad and fleshy; very tender.

Price of above.....	Pkt.	Oz.	¼ Lb.
	.10	.20	.60

French.—Leaves finely cut; mild and tender.

Price of the above.....	Pkt.	¼ Oz.	Oz.	¼ Lb.
	.10	.15	.35	1.00

ENDIVEEndivien Indivia
Endiven

The Cultivation of Endive.—Sow for early crops in middle of April, and for succession to beginning of August; thin out to about 10 in. apart. A simple method of blanching is to put an inverted pot over each plant and cover it with leaves or straw. 1 oz. of seed will sow 150 ft. of drill.

Holmes' Winter Golden Heart.—The most beautiful and perfect form of Curled Endive yet introduced. It is exceedingly ornamental, of a distinct color, and bleaches admirably. Holmes' Winter Golden Heart Endive is greatly admired by all who grow it.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.10	.20	.60	2.00

Holmes' Green Curled.—Dwarf, and beautifully curled.

Holmes' White Endive.—Superbly curled and lacinated; easily blanched, very tender.

HOLMES' OVAL, or PLAIN-LEAVED ENDIVE

Round-Leaved Batavian.—Very compact and hardy; forms good heart. **Green Batavian or Escarolle.**—Tender broad leaves, crisp; good flavor.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.05	.15	.45	1.50

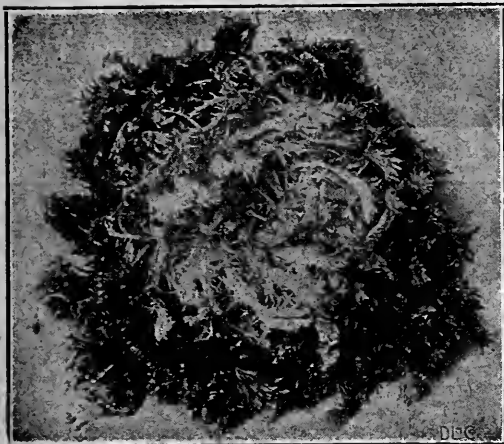
EGG PLANTEirpflanze Petronciano
Jajokowa

The Cultivation of Egg Plant.—Sow in gentle heat early in April, transplant towards the middle of June, setting the plants 3 feet apart each way. 1 oz. of seed produces about 1,500 plants.

Black Beauty.—Fruit jet black; good form and solid.

Price of above.....	Pkt.	Oz.	¼ Lb.
	.10	.75	2.25

N. Y. Improved.—A splendid market variety; fruit large.



Holmes' Winter Golden Heart Endive



Monstrous Carentan Leek



Black Beauty Eggplant

KALE, or BORECOLE

Blaetterkohl Cavolo verde

Kale is more hardy than cabbage, and will endure considerable frost without injury. Cultivate like cabbage. One ounce will sow a drill about 200 feet. Three pounds will sow an acre.

Dwarf Green-Curled Scotch.—Beautifully curled; bright green; very hardy.

HOLMES' IMPROVED DWARF GERMAN.—(American-grown). Like the above except in color. This has a bluish tinge.

Siberian.—Grows vigorously; green foliage with bluish tinge or bloom.

Tall Scotch.—Same as the dwarf green, except that it grows taller.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.05	.15	.50	1.75

KOHL RABI, or KNOL KOHLKnollkohl Cavolo rapa
Kolorapa

A useful vegetable, not nearly so much cultivated in this country in gardens as it would be were its merits known. Used as a substitute for Turnips, especially in hot dry seasons. The bulb grows entirely out of the ground.

The Cultivation of Kohl Rabi.—Prepare a breadth of good, well-manured soil. Drill the seeds in rows, about 15 in. apart in May, and thin out to about 9 in. apart. They are ready for use when they attain the size of a small Turnip. 1 oz. of seed will sow 150 ft. of drill.

Varieties.—There are two varieties in general cultivation, the white and the purple.

Earliest White.—Garden Kohl Rabi.

Earliest Purple.—Garden Kohl Rabi.

Price of the above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.10	.25	.75	2.50

LEEKPere, oder Lauch
Porro

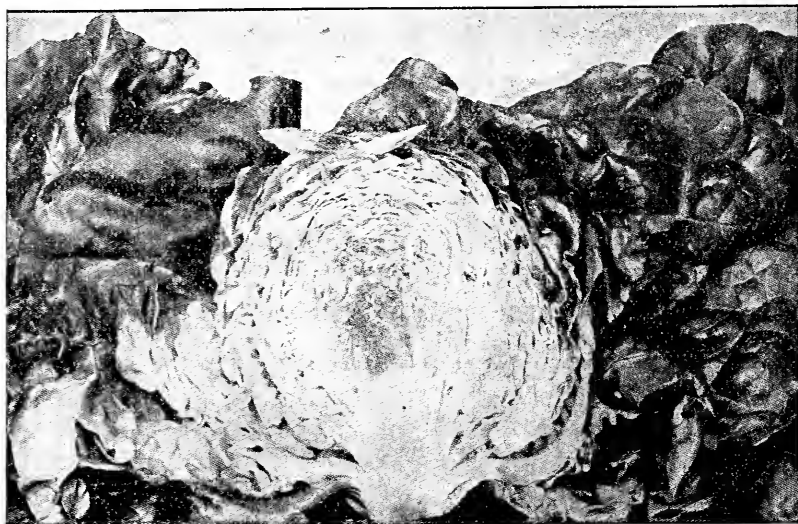
The Cultivation of Leek.—Sow early in April, and transplant early in July into trenches of well-manured soil, say 1 ft. in depth, and 1 ft. 8 in. between the plants. In warm weather liberal dressings of liquid manure will be of service, and the plants should be afterwards carefully earthed up to blanch the stems. For exhibition, sow in January in boxes under glass, and transplant as early as the ground can be worked into rich soil. 1 oz. of seed will sow 100 ft. of drill.

BROAD LONDON FLAG.—Hardy; whole plant is edible; quick-growing for early use.

Monstrous Carentan, or Scotch Champion.—Grows rapidly and is very hardy; grows to large size, and is highly recommended. See illustration.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.05	.20	.50	1.50

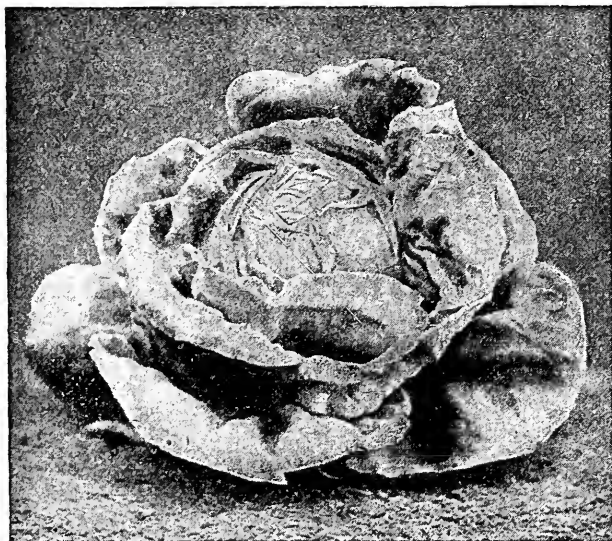




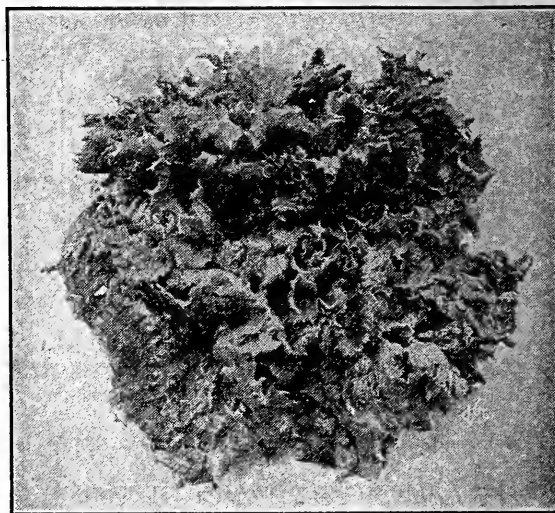
A cut head of Holmes' Improved Big Boston Lettuce, French Grown



A field of Holmes' Improved Big Boston



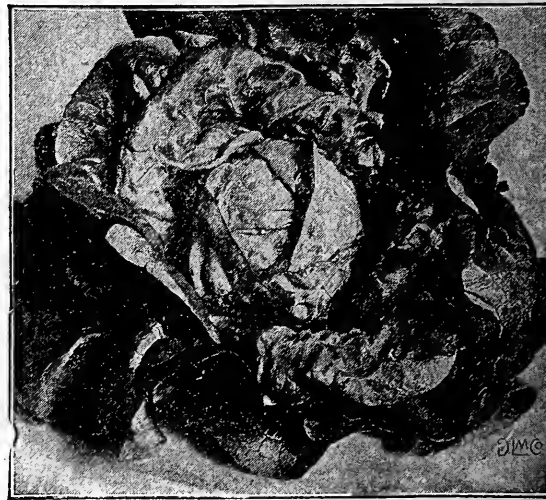
Holmes' Zero



Early Prize Head



Holmes' Perfect



Salamander

LETTUCE

Lattich, oder Kopfsalat
Lattuga Salata

Cultivation of Lettuce.—Sow the seed in hotbeds during February or early March. As the seedlings appear prick them into flats or cold frames, leaving several inches between the plants for growth. As soon as a nice, rich warm spot can be worked in the open, transplant the sturdiest plants in rows 1 foot apart and leaving 8 to 12 inches between the plants in the rows. For a succession of growths sow the seeds very lightly in open ground and thin the plants to 6 inches or more apart. Do this as often as one bed is rid of its result. Some varieties will do very well during the winter in a cool forcing house. 1 ounce of seed will produce 3,000 plants.

CABBAGE-HEADED VARIETIES

NOVELTY

HOLMES' ZERO LETTUCE

Resists Heat in Summer and Stands Longer Than Any Other Lettuce Without Going to Seed

As hardy in winter as the winter Lettuce, Nansen, introduced a few years ago. Produces large, solid heads of a yellowish green color, being very crisp and of the most delicious flavor. Great value for market. See illustration.

SPECIALTY

HOLMES' PERFECT LETTUCE

A fine all-around Lettuce. It is an exceedingly quick grower with handsome buttery head, and can be used for both early and late sowings. Under glass it is the finest heat-resisting variety we know of outside of, probably, Holmes' Zero. The inner leaves (practically the entire head) blanch to a rich golden yellow, and have a fine, rich buttery flavor. It is an excellent shipper and a good keeper. See illustration.

NOVELTY

HOLMES' IMPROVED BIG BOSTON LETTUCE

(FRENCH GROWN)

Quality Superb. Tender, free from any Bitterness. Absolutely will not turn Red

Similar to the old Big Boston, only runs much more even and larger in head; leaves lay close and form a compact, buttery head. It is praised by all users, and is a distinct strain, far superior to any other strain we have ever seen growing. We have given it the name "Holmes' Improved" so as to distinguish it from any other strain on the market. Sold only under seal. See illustration.

For ordinary Big Boston Lettuce as usually sold by other seedsmen, see general list.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.10	25	.60	2.00

Boston Market.—(Private Stock.) Ideal for forcing; fine quality; tender, sweet, crisp.

California Cream Butter.—Produces large, solid heads in cool weather.

Deacon.—Large, firm heading; fine buttery quality.

Denver Market.—Large, solid heads; leaves crimped.

Holmes' Giant Crystal Head.—Exceeds every other variety in size and productiveness. Fine flavor, crisp, tender.

Big Boston.—Plants large; very vigorous; broad, comparatively smooth, hard, light green leaves.

Holmes' Rapid Forcing.—Solid, golden-yellow heads; crisp, tender.

Improved Hanson.—A large, flat head, resembling that of cabbage; very tender and sweet.

Mammoth Black Seeded Butter.—Enormous head; tender, sweet and crisp.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.05	.20	.50	1.75

May King.—Heads of globular shape, firm and close; color light green; ribs delicate and waved center is of a light yellow and very tender.

Iceberg.—A large solid-headed very crisp kind, the hearts of which under moderate cultivation weigh from 2 to 3 pounds.

NEW YORK, or WONDERFUL.—Immense heads; solid, crisp, tender, delicious.

Philadelphia Dutch Speckled Butter.—Large heads; excellent quality.

Philadelphia Early Dutch Butter.—Heads very compact; for forcing.

Philadelphia White Cabbage.—Large-headed summer variety.

Salamander.—Good-sized, compact and tender heads, creamy white inside; rich, buttery flavor.

Tennisball, Black-Seeded.—Very early, small, hard-heading variety.

THICK HEAD YELLOW.—Extra fine, large, summer variety.

Yellow-Seeded Butter.—Large, dense, yellow head; crisp, tender; fine flavor.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.05	.20	.50	1.75

SPECIALTY

HOLMES' IMPROVED GRAND RAPIDS LETTUCE

Improved by Years of Selection; Grows Larger and Absolutely Free from "Rogues"

Almost Lettuce perfection, being free from the rogues found in almost every stock grown. Does not form heads, but makes large, compact bunches of light golden foliage, the leaves having finely curled or fringed edges. Delicious quality and handsome appearance make it most popular in many markets. See illustration.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.10	.25	.60	2.00

CURLED, or CUTTING LETTUCE

This type does not form compact heads, but large masses of curly, crisp leaves, which are practically everbearing, as they keep growing after picking. The best are:

Black-Seeded Simpson.—Large, loose heads; curly, yellow leaves.

Early Curled Silesia.—One of the best cutting varieties.

Early Curled Simpson.—Yellowish green; curly; earlier than head Lettuces.

Early Prize-Head.—Large, loose heads, stained red; curled.

THE MORSE.—Light green; hardy. Superior to all.

Tomhannock.—An upright Lettuce; tinged brown.

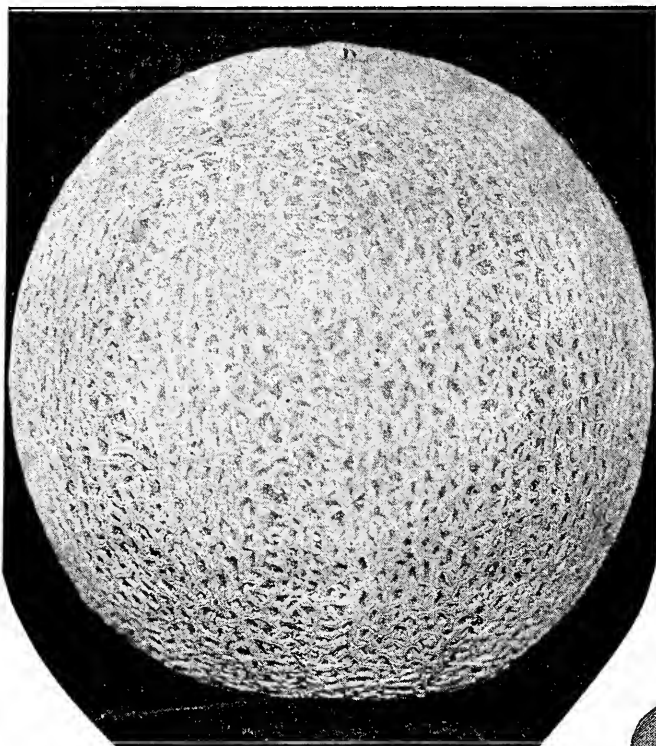
Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.05	.20	.50	1.75

COS OR ROMAINE VARIETIES

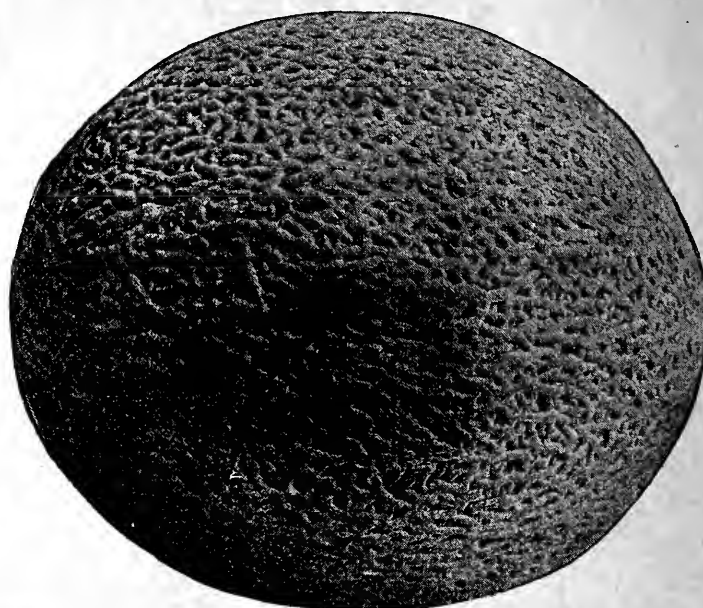
Holmes' Paris White Cos.—This remarkably fine Lettuce becomes more popular every season, and is without doubt the best and finest flavored Cos Lettuce in cultivation. Owing to the self-folding habit it possesses, no

tying is required. The heads are very solid and crisp eating. It does not run to seed as quickly as other Cos varieties.

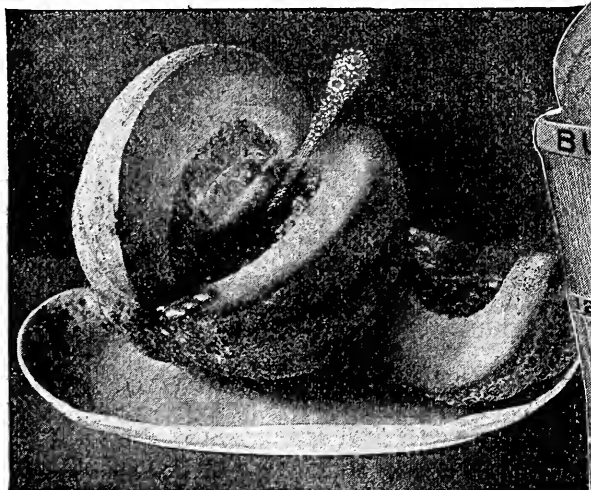
Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.10	.20	.75	2.00



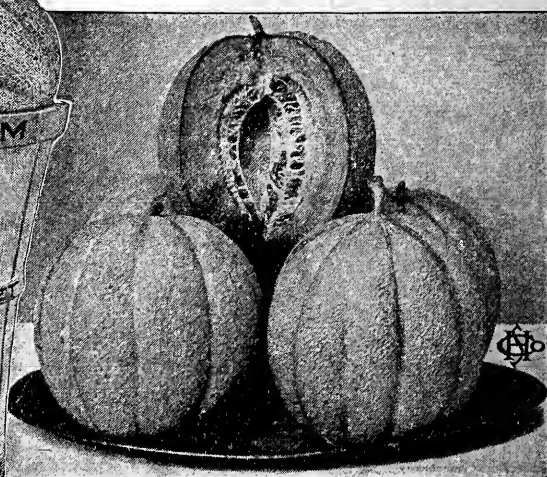
Pink Meat or Pollock No. 25



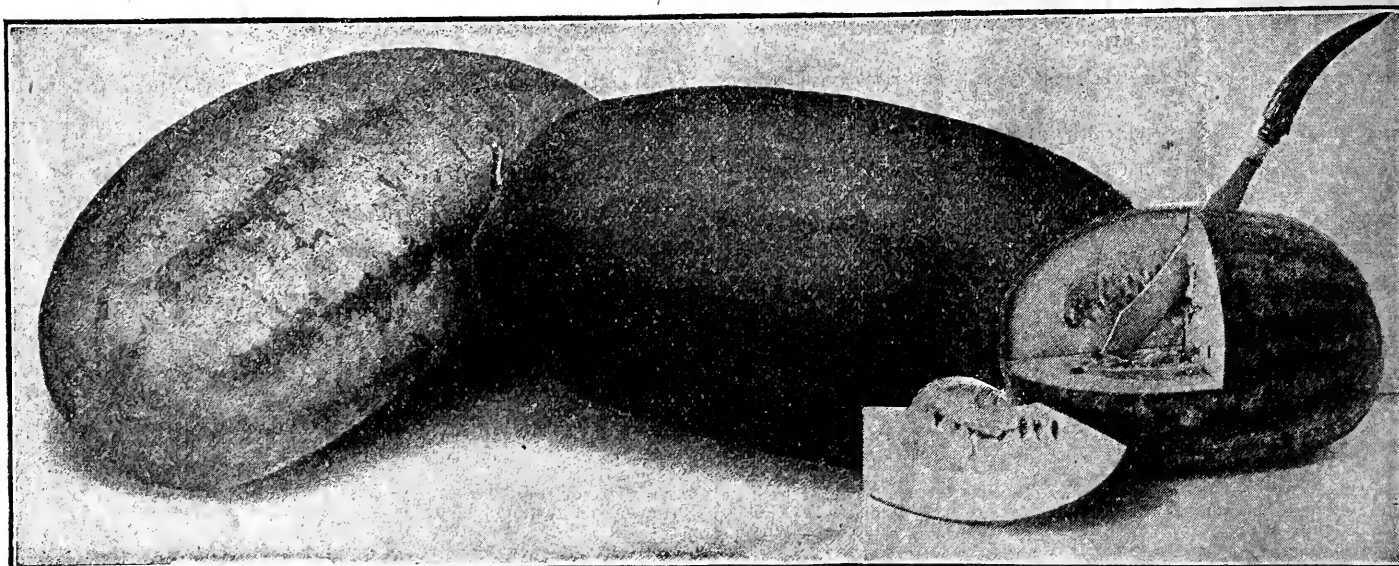
Robinson's Delicious Gold-Lined Cantaloupes



Delicious Gold-Lined Cantaloupe



Honey Dew Muskmelon



Kleckley Sweets

Tom Watson

Harris' Earliest Watermelon

MUSKMELONS

Melone
Melon Popone

One ounce for 60 hills; 2 to 3 pounds in hills for an acre

Culture.—Melons, thrive best in a moderately enriched, light soil; the hills should be 3 to 6 feet apart each way, according to the richness of the soil. Previous to planting, mix well with the soil in each hill a couple of shovelfuls of thoroughly rotted manure; plant 8 or 10 seeds in each hill early in May for latitude of Harrisburg (for south earlier, for farther north later), and when well up thin out to 3 or 4 plants to the hill. One ounce for 60 hills; 2 to 3 pounds for an acre.

NOVELTY

ROBINSON'S DELICIOUS GOLD-LINED CANTALOUPE

We have said so much at different times about our select stock of this splendid strain of Rocky Ford, that our friends hardly need a further introductory. It is the acme of perfection in the green-fleshed strains; and we are keeping it right up to date.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	10	20	50	1.75

NOVELTY

PINK MEAT, or POLLOCK No. 25

This variety was first introduced at Rocky Ford, Colo., in 1914, and met with instant favor. It is very similar to Delicious Gold-Lined in appearance, growth and breeding; differing principally in the color of the flesh. As the name signifies, it has a distinct pink flesh, very delicate in color and flavor. Good shipper, uniform in size and shape. Being completely overcast with fine netting, it has a most attractive appearance.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	10	25	75	2.50

NOVELTY

HONEY DEW

The originator says: The original seed came from Africa and after crossing twice with the Rocky Ford and Cassaba, the Honey Dew was developed. The originator says:

I named the melon "Honey Dew." It is as sweet as honey and has the mingling of several flavors—pineapple, banana and vanilla predominating.

The average size of the melon is six inches in diameter and seven to eight inches in length, weighs five to six pounds. The skin is smooth, with an occasional net, is a creamy yellow when ripe. The flesh is an emerald green, very thick, melting and very fine grained; can be eaten to the extreme rind. The seed cavity is very small, the rind is impervious to water, the melon does not shrink in weight, is not easily bruised and is a splendid shipper.

It matures about ten days later than the Rocky Ford strains and is very prolific. Yields at the rate of 8,000 to 10,000 melons per acre. The melon slips from the vine when ripe and will keep for several weeks; the late maturing ones may be kept until Christmas. Will grow where Rocky Ford varieties will thrive.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	10	25	75	2.50

SPECIALTY

BURRELL'S GEM

Two facts about this Rocky Ford Melon will indicate its great value. Mr. Burrell, the introducer, from whom we get our seeds direct, sold \$6,000 worth from 12 acres in 1909. The Fred Harvey eating houses, dining cars and hotels always specify it as their first choice. Its value is proved by those things. The golden colored netting is similar to that of Rocky Ford Melon, making it very fine in appearance. The Melon is smooth and very solid and will ship across the continent, as it is possibly the best keeper grown. The flavors of Rocky Ford and Osage are blended in the spicy, sweet and golden flesh. An abundant crop is produced—often 20 to 30 Melons from a hill, and each one weighing 2 or 2½ pounds. See illustration.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	10	20	50	1.50

WATERMELONS

Culture.—Select rich, deep sandy loam, well worked and highly manured. Plant when all danger of frost is over, in hills 5 to 6 feet apart each way. Scatter a dozen seeds to a hill, thin to three or four plants. When they have four or five rough leaves, pinch off the ends of the main shoots. One ounce to 30 hills. Four pounds per acre.

Colorado Preserving Citron.—Green seed. Also called Apple Pie.

DARK ICING.—Early, round, solid; thin, dark green skin; superior quality.

Dixie.—Large; dark green; fine shipper; solid red flesh; popular South.

Florida Favorite.—Superior; large; oblong; striped; luscious red flesh.

GRAY MONARCH, or LONG WHITE ICING.—Very large; long; crimson flesh.

Ice Cream, or Peerless.—Very early; red flesh; fine quality.

Jones' Jumbo.—Round; large size; dark green skin; good quality.

Light Icing, or Ice Rind.—Round in form; flesh of fine quality.

Mammoth Ironclad.—Long; striped; late; red flesh; good shipper.

McIVER SUGAR.—Large; fine quality; oval; flesh pale pink, sweet, melting.

MUSHROOM SPAWN

Schwamm
Fungo Pratajola

The culture of Mushrooms is easy if you plant fresh and thoroughly reliable spawn. They can be grown in a cellar, in sheds, hotbeds or the open air. New beds must be made at each planting.

Price of above, English... Brick	Doz.	25 Lbs.	100 Lbs.
	.35 (.40 postpaid)	2.25	3.50 11.00

American Pure-Culture Spawn..... Brick	5 Bricks	10 Bricks
	.25 (.35 postpaid)	1.10 2.00

MUSTARD

Black, or Brown.—Large, succulent leaves, pleasantly pungent.

Giant Southern Curled.—A favorite in the South.

White London.—Leaves used in salads and for garnishing.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.05	.10	.20	.60

PAUL ROSE, or PETOSKEY

In this variety, which has gained great popularity, are combined all the good qualities of the Netted Gem and Osage, of which it is a cross. It is finely netted like the Gem and averages about the same size; will outweigh a Netted Gem of equal size by at least a third. Flesh salmon-colored.

ROCKY FORD

This is one of the most popular of small or basket Melons and is shipped in large quantities from Colorado and Arizona. The fruit is oval, slightly ribbed, densely covered with fine netting and very uniform in shape and quality. Flesh thick, green, very sweet and highly flavored.

EMERALD GEM

A splendid Melon. Fruit conveniently small or medium-sized, globular, or slightly flattened at the ends, only slightly netted and ribbed; skin green, tinged with yellow; flesh deep salmon-yellow, thick, ripening close to the rind and exceedingly high flavored.

NEW FORDHOOK

This Melon originated in South Jersey and is a cross between Emerald Gem and Improved Jenny Lind. It is the shape of the large-sized type of Jenny Lind but has very thick, deep salmon-colored flesh, surpassingly sweet to the very rind.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.05	.15	.50	1.75

GREEN-FLESHED MUSKMELONS

Anne Arundel.—Oval; heavily netted; green fleshed; solid; grand shipper.

EXTRA-EARLY HACKENSACK.—Hardy; prolific; round; deeply ribbed, coarsely netted; green flesh; delicious.

Hackensack, or Turk's Cap.—Large with round and flattened ends; thickly netted; productive; extra quality.

HOLMES' IMPROVED NUTMEG.—Popular; skin deep green, finely netted; flesh greenish-yellow, rich and sugary.

Jenny Lind.—Small, round, flat-ended, deeply ribbed; flesh yellowish; flavor fine; very productive over long season.

Long Island Beauty.—Hackensack type; very early; luscious, green flesh, thick and sweet; netting heavy.

NEW GREEN-FLESHED OSAGE.—Hardy; prolific; handsomely netted and colored; firm, luscious flesh.

RED, or SALMON-FLESHED MUSKMELONS

Banana.—An old variety; very long.

MILLER'S CREAM, or OSAGE.—Medium to large, oval, netted; flesh rich salmon; deep, firm, sweet and melting.

PERFECTION, or PRINCESS.—Early, round, beautifully netted; best red-fleshed.

Tip-Top Nutmeg.—Slightly oval; good size; sweet, juicy; yellow flesh.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.05	.15	.45	1.50

Wassermelone
Melon Wodny Meloni d'acqua

Mountain Sweet.—Flesh red; extra-fine quality.

Sweetheart.—Large; oval; heavy; flesh bright red; crisp, melting, sweet.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.05	.10	.25	.85

HARRIS EARLIEST.—Oval; fine quality; bright red flesh; sweet, tender and delicious.

KLECKLEY SWEETS.—Flesh bright scarlet; crisp, sugary and melting. See illustration.

TOM WATSON.—New. Large variety; 18 to 24 inches long; weight 40 to 50 pounds; flesh deep red; good shipper. See illustration, page 21.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.05	.10	.35	1.25

NASTURTIUM, or Indian Cress

The seed pods, gathered green, are delicious; pickled and used for seasoning like capers.

Dwarf.—Mixed varieties. A trailer requiring no support.

Tall, or Large.—Climber 10 feet high; ornamental flowers. In many varieties mixed.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.05	.15	.40	1.50

OKRA, or GUMBO

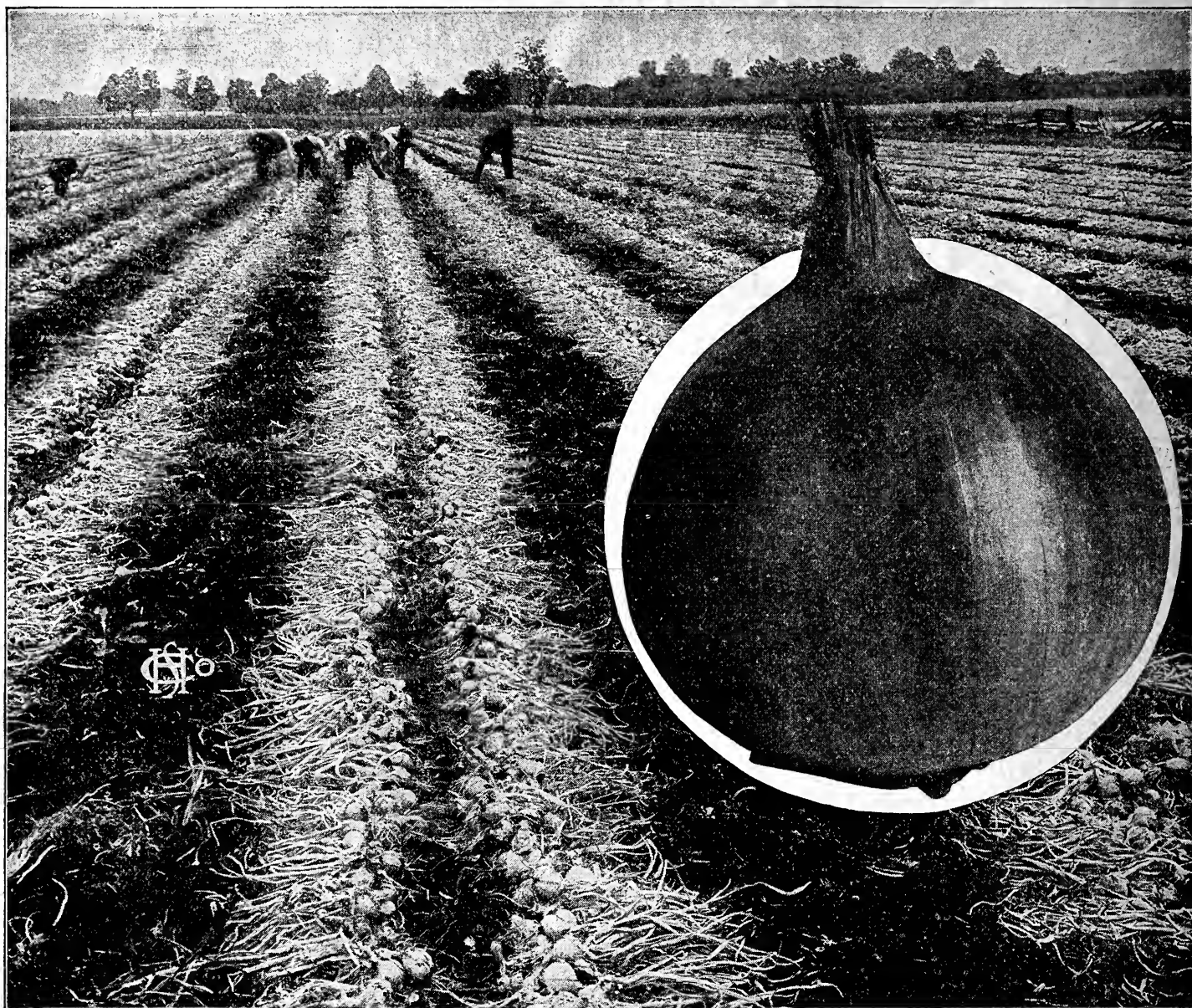
Ochre
Ocro

Dwarf Prolific.—Of dwarf, stocky growth; very early and prolific.

Lady Finger.—Long, slender, pale green pods; very tender.

White Velvet.—Large, round, smooth pods; never ridged; prolific.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.05	.10	.20	.60



Holmes' Improved Ohio Yellow Globe Danvers Onion Seed Ohio Grown

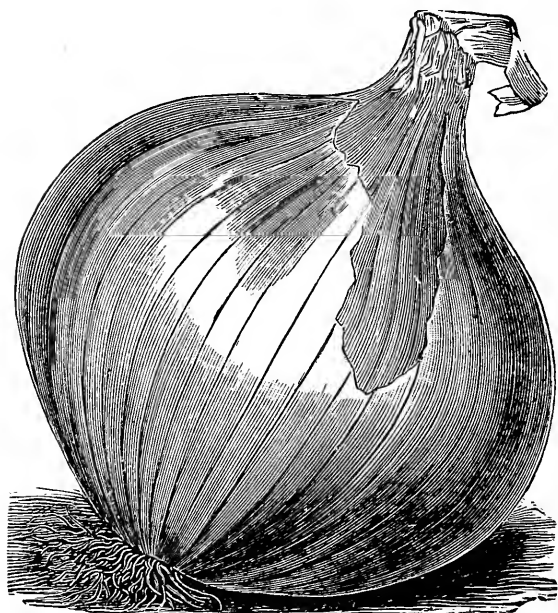
Ontario, N. Y.
September 16, 1918.

Holmes Seed Co.
Harrisburg, Pa.
Gentlemen:

The Ohio Yellow Globe Onions which I purchased from you this spring were entirely satisfactory, both as to germination and to strain, and I expect to average at the least 700 bu. to the acre. Inclosed find my order for 1919.

Yours Resp.

John P. Sheahan.



Prizetaker Onion

BOTTLE ONION

This onion has been known in certain Sections among the Truckers and Farmers for many years.

We have been successful in securing a fine stock of this Onion from a grower in Berks county and can now offer it as genuine stock as portrayed by the cut from original Photograph.

This Onion is of a mild flavor and for slicing can not be surpassed. See illustration. Pkt. 10cts. oz. 40cts. ¼lb. \$1.50 lb. \$5.00.



Bottle Onion

CHOICE ONIONSTested and of the Strongest Vitality
The Finest Selected Strains

One ounce of seed will sow 100 feet of drill; five pounds will sow an acre.

We pride ourselves on selling the **very best Onion Seed** that can be produced, and are now supplying some of the largest Onion growers of the country, By sowing our seed, large Onions may be produced direct from the seed. See testimonial below.

Culture.—Sow in early spring, in moist soil, as soon as the weather will permit, in rows 12 inches apart, and cover half an inch deep. If the Onions grow too thick, thin to about an inch apart, or only a few small Onions will be the result. Manure highly (20 loads to the acre being used by market-gardeners with profit), and if manure is not plenty, some good phosphate, at the rate of 400 to 800 pounds per acre, will give splendid crops. A top dressing of wood ashes, applied after the second weeding, is very beneficial.

CAUTION.—Beware of cheap Onion seed. Fresh new seed, such as we sell, will test 90 to 95 percent. If you are led by low prices to purchase Onion seed from doubtful sources, test it before planting. Our prices are as low as reliable seeds can be bought. **The lowest priced Onion seed is not always the cheapest.**

SPECIALTY**HOLMES' OHIO YELLOW GLOBE**

GUARANTEED OHIO GROWN.

A selected strain, uniform shape, attractive color, mild flavor, and produces enormous crops of large Globe Onions. Grown in Ohio for us by one of the best growers who has been selecting this strain for a number of years. Note the shape in the illustration.

Our strain of this particular Onion has the finest shape, best color, and yields the largest crop of any yellow Onion. The heaviest yield of Onions is always obtained from rich, black lands. On such soils a globe-shaped Onion, with a somewhat flattened base, gives largest returns; the bulbs are large and uniformly spherical, with very small necks, the largest diameter below the center of the bulb; of a rich orange-yellow; enormous yielders and splendid keepers. See illustration.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
Postpaid	.10	.20	.75	2.50

YELLOW GLOBE DANVERS (as usually sold).—Of uniform size; bright yellow; immensely productive; mild, tender, of fine flavor.

ROUND, or FLAT YELLOW DANVERS

As grown by us, this is a fine, selected strain, combining extreme reliability in ripening with large yield. It is grown extensively for market, ripening more surely in moist locations than do globe-shaped varieties, as well as earlier. It is becoming most popular also for growing Yellow Onion sets. Our strain produces thin-necked, flattened bulbs which are quite thick through, yielding well in bulk.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
Postpaid	.05	.20	.50	1.75

MARKET GARDENERS AND THOSE WHO USE ONION SEED IN LARGE QUANTITIES SHOULD WRITE US FOR SPECIAL PRICES

WHITE PORTUGAL, or AMERICAN SILVERSKIN

A medium-sized Onion of mild flavor; it is a good keeper and fine for fall and early winter use.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
Postpaid	.10	.25	.85	3.00

YELLOW STRASBURG, or DUTCH

The large Onions are flat, round, thick through. Skin yellow; flesh pure white, mild flavored; productive; best for sets.

SOUTHPORT RED GLOBE ONION

The Onions from Southport, Conn., generally command an extra price in New York markets because of their beautiful shape and color, due partly to the variety grown and partly to the favorable soil and the extra care taken in handling the crop. The Southport Red Globe is of medium size, spherical, with small neck, very deep, rich red in color, and of superior quality.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
Postpaid	.05	.20	.65	2.00

SOUTHPORT WHITE GLOBE

Yields abundantly, producing handsome and uniformly globe-shaped bulbs. The flesh is firm, fine grained and of mild flavor. See illustration.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
Postpaid	.10	.25	.85	3.00

SOUTHPORT YELLOW GLOBE

This is of the same general character as the Southport White and Red Globes, except that the skin is a rich yellow; flesh pure white and of a mild and delicious flavor. It is one of the most popular of the Yellow Globe Onions. These three varieties of Southport Globe Onions we have carefully bred up for years. All three Southport Onions ripen very evenly and on this account particularly are wonderful keepers.

EXTRA-EARLY RED

A medium sized, flat variety of deep red; an abundant yielder. It is very uniform in shape and size, moderate in flavor; ten days to two weeks earlier than Wethersfield. Especially good for a cool climate where other varieties fail to produce full-sized Onions.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
Postpaid	.10	.20	.65	2.00

PRIZETAKER (AMERICAN-GROWN)

The true American-grown Prizetaker is larger and more uniform in growth than any other yellow variety. It is of beautiful appearance, with outside skin of a rich straw color, while the flesh is white, sweet, mild and tender. The average size is 12 to 16 inches in circumference; the weight sometimes reaches 5 pounds.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
Postpaid	.10	.25	.80	2.75

LARGE RED WETHERSFIELD

A Leading Variety. Produces Enormous Crops of Solid, Heavy and Perfect Onions

This is a grand red variety and a general favorite. With the exception of the Yellow Globe Danvers, there is no variety so largely grown. Our stock is excellent, being saved from only carefully selected bulbs; will be found quite free from necky and misshapen bulbs, and will invariably grow to a large size under proper conditions. The surface color is a rich, dark red. It is an early variety to mature and a fine keeper. The flavor is good and mild, and is an admirable Onion for boiling.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
Postpaid	.05	.20	.65	2.00

ONION SETS

White and Yellow Onion Sets.—Grown from our select strains. The price per bushel is subject to change with the market. Write for quotations. Per qt., postpaid, 35 cts.

ITALIAN AND PICKLING ONIONS

Adriatic Barletta.—Very early; small; pure white with silver skin; flesh mild, but firm; fine for pickling.

Queen.—Very early; small; flat; white and mild pickling Onion.

Silver King.—White-skinned Onion; immense size.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
Postpaid	.10	.35	1.25	4.00

These prices are subject to change without notice



PEPPER

Pfeffer Peperone
Pieprz

Culture.—Sow in hotbed in April, and in warm, settled weather transplant outdoors 18 inches apart in rows 3 feet apart, or, when all danger of frost is past, sow in open ground and thin. One ounce will produce about 2,000 plants.

NOVELTY

HOLMES' PROLIFIC SWEET PEPPER

One-third natural size. Fully as large as Crimson Giant, but differing in shape.

The most prolific Pepper grown and absolutely sweet.

Not only is it productive for so large a Pepper, but its size and appearance make it sell on sight. Fruits may be gathered early in July. The meat is thick and can be eaten like an apple. We have counted 43 full-sized Peppers on a single plant, and the crop will yield 18 to 30 fruits on each plant.

SPECIALTY

NEW CHINESE GIANT.—Strong; stocky growth; bushy; erect; growing 18 inches to 2 feet high. Very prolific. Peppers very large in size; flesh thick, very mild. See illustration.

SPECIALTY

NEW RUBY GIANT.—Extra large; vigorous in growth; mild and sweet as an apple makes fine salad with tomatoes. See illustration.

Price of above.....	Pkt.	Oz.	$\frac{1}{4}$ Lb.	Lb.
	.15	.50	1.75	6.50

EATLY NEAPOLITAN.—Fruits may be gathered the last of June. Thick-meated, usually mild and sweet; bright red. Plants frequently carry 30 to 40 handsome fruits. See illustration.

Golden Queen.—Golden yellow; sweet and delicate flavor.

Large Bell, or Bull Nose.—Large; early; bright red; mild.

Long Red Cayenne.—Late; small, bright scarlet; cone-shaped; pungent pods.

Red Cluster.—Dwarf, compact; small, thin, red pods.

Ruby King.—Prolific; early; ruby-crimson; flesh thick, mild, sweet. See illustration.

Sweet Mountain, or Mammoth.—Very mild flavor.

Price of above.....	Pkt.	Oz.	$\frac{1}{4}$ Lb.	Lb.
	.05	.40	1.50	6.00

PARSNIPS

Pastinake
Pastinaca

Culture.—Sow early in spring, in drills 15 inches apart and half an inch deep in a rich soil; thin out to 6 inches apart in the rows. One ounce will sow 200 feet of drill.

GUERNSEY.—A half-long Parsnip. Flesh fine-grained; much sought for by market gardeners because of its fine appearance.

HOLMES' HOLLOW CROWN.—Uniformly large and handsome roots of stocky form. Flesh white; fine texture; free from core and stringiness; fine flavored. Frost improves their quality. See illustration.

Price of above.....	Pkt.	Oz.	$\frac{1}{4}$ Lb.	Lb.
	.05	.10	.35	1.25

PARSLEY

Petersile
Peitroszka

Culture.—Soak seeds in water 24 hours before planting. Sow thickly early in rows one foot apart; cover half an inch deep; finally thin to 5 or 6 inches apart, or transplant and cut back frequently. Five pounds to the acre.

Champion Moss Curled.—Densely crimped, dark leaves.

Extra Curled Emerald.—Dwarf habit; productive.

Extra Double Curled.—A popular fine dwarf.

Hamburg, or Turnip-Rooted.—Fine for flavoring.

HOLMES' IDEAL.—Leaves ornamentally crimped; growth compressed and thick, almost a half-globe. Very robust, greatly improved by severe cutting. Stands heat, drought and cold; yields finely. Color and taste ideal.

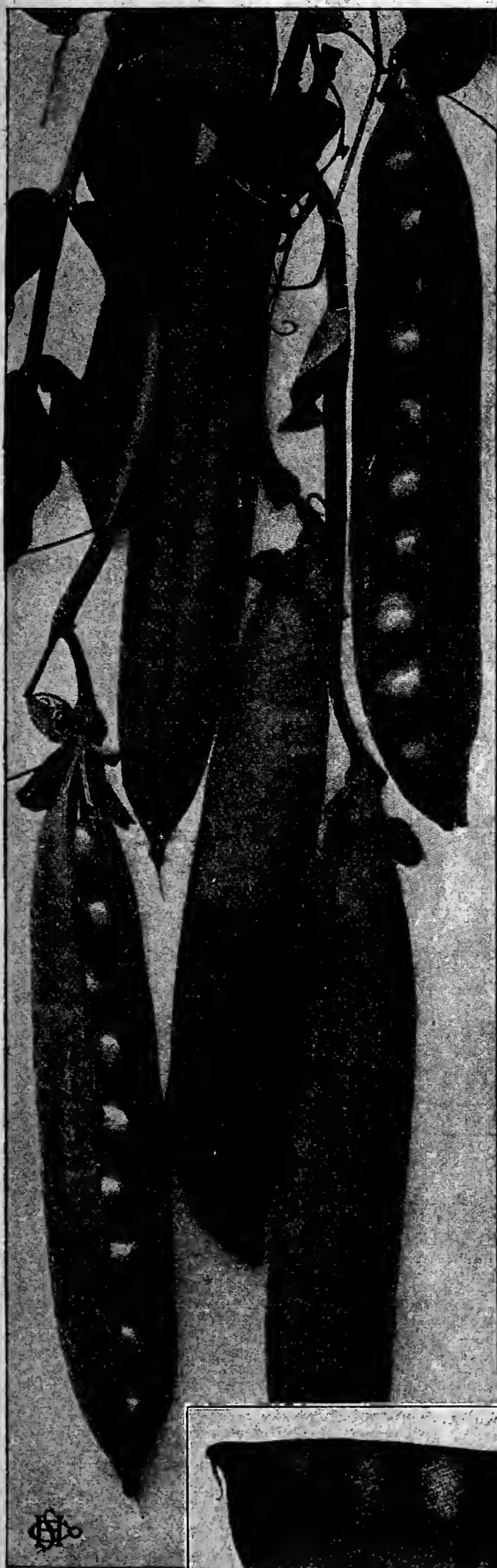
Plain.—The leaves are not curled; plant very hardy.

Italian Long Smooth.—New. Much sought for by German truckers; true.

Price of above.....	Pkt.	Oz.	$\frac{1}{4}$ Lb.	Lb.
	.05	.15	.40	1.25



Holmes' Hollow Crown Parsnips

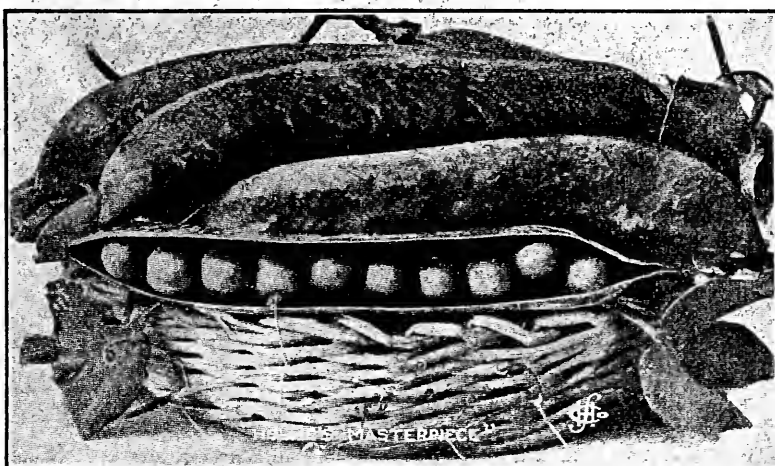


New English
Pea,
Sutton's Excelsior

VERY PROLIFIC
AND SWEET



Holmes'
Peas.

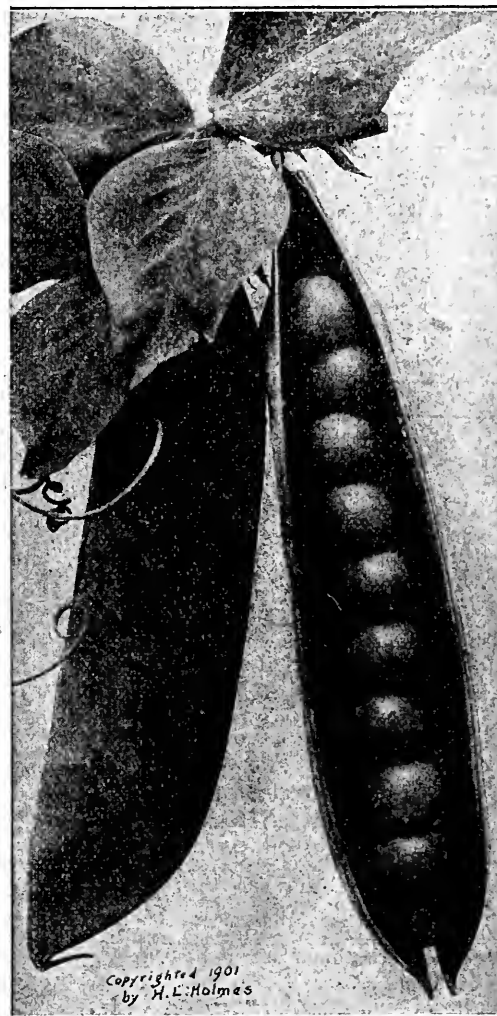


"VICTORY" PEAS

THE FAVORITE FOR A
LARGE, LATE PEA.

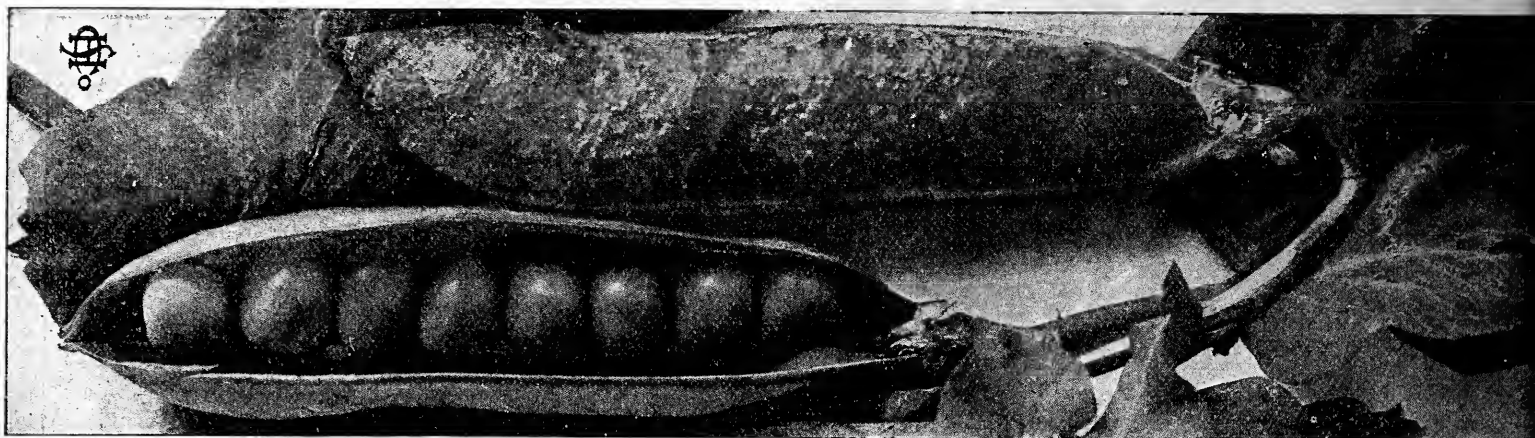
This marvelous, sweet, wrinkled pea grows one-half larger than The Duke of Albany, or Alderman. The pods are produced in pairs and contain from eight to twelve peas of exceptionally rich flavor to a single pod. Haulm is sturdy and this pea grows to a height of $3\frac{1}{2}$ to $4\frac{1}{2}$ feet, according to the season, fertilizer used, etc. It is one of the largest croppers that we know of and the quality is exquisite. The "VICTORY" is a main crop variety and we believe that anyone who gives this pea a fair trial will be more than satisfied with the results obtained, be he an amateur or a regular market gardener. Prices of above

Pkt.	Lb.	2 Lbs.	100 Lbs.
.10	.50	.85	35.00



Gradus Pea. ($\frac{3}{4}$ actual size; from photo.)





The best late Pea grown—ALDERMAN

PEASErbsen Pisello
Groch

NORTHERN-GROWN

**These prices are subject to
change without notice**

Again, for the sixth year, the Pea crop is short; in fact, at this writing, there is no telling just the damage done, but we are assured that many varieties of Peas have been cut very short by reason of the frosts and snow. So beware of cheap seed.

Culture.—To grow for market sow in single rows 1 inch apart and 2 to 3 inches deep, the rows from 2 to 4 feet apart. When grown in garden sow in double rows 6 to 8 inches apart; tall sorts require brush. Begin sowing the extra-early varieties as soon as the ground can be worked in March; continue for a succession, every two weeks until June. One quart will plant 100 feet of drill; $1\frac{1}{2}$ bushels to the acre.

NOVELTY**NEW ENGLISH PEA, LITTLE MARVEL**

Still another year's experience makes us hold this distinct, new, dwarf first-early in even higher esteem. We are sure that as soon as American gardeners, whether for pleasure or profit, become acquainted with Little Marvel, they will drop both Little Gem and Nott's Excelsior, popular as these two varieties are today. The vines of dwarf, even growth, average 15 inches in height and are heavily set with fine pods, frequently borne in pairs. The pods average $2\frac{1}{2}$ inches in length, are square at the bottom and well filled with six to seven quite large, deep green Peas. The Peas are ready for the table fully as early as American Wonder or Nott's Excelsior, while the pods are larger and the vines produce a much heavier crop. All who desire a fine early crop of the choicest quality wrinkled Peas will be delighted with Little Marvel. See illustration.

NOVELTY**NEW ENGLISH PEA, SUTTON'S
EXCELSIOR**

Its great merit is that it is an early, dwarf, wrinkled Pea in the front rank for earliness, yet with much larger, handsomer pods than any other dwarf wrinkled. Similar in habit of growth to Nott's Excelsior, which is one of the most popular. It holds the place in the extra-early class that is now so acceptably filled by Stratagem and Telephone in the later sorts. The height is about 12 to 14 inches, showing a great abundance of long, broad, straight pods of pale green.

Price of above.....	Pkt.	Lb.	2 Lbs.	100 Lbs.
	.10	.40	.75 postpaid.	35.00

GRAND NEW GARDEN PEA, QUITE CONTENT

A sensational novelty of England which is, without doubt, the largest podded Pea in existence. At all the principal shows in England Carter's "Quite Content" is now preminent.

It is ready for picking at the same time as the well-known Alderman, which it closely resembles, but has considerably larger pods. The vines attain the height of 5 to 6 feet; pods enormous, dark green, measuring 5 to 6 inches and contain 8 to 12 Peas of delicious flavor. We have seen pods of this new Pea 7 to 8 inches long and fairly crowded from tip to tip with fine large tender Peas.

NEW LATE PEA, ALDERMAN

This fine second-early, wrinkled Pea has proven in our trials to be a very valuable acquisition. We predict for it a place in every catalog, and, once in the hands of the gardener, the old Telephone and Duke of Albany will be forgotten. Vines vigorous, growing about $3\frac{1}{2}$ feet high, with coarse, dark-colored leaves and producing an abundance of very large, dark green pods, filled with immense Peas of delicious flavor. A splendid shipper and we recommend this to all large Pea growers.

Price of above.....	Pkt.	Lb.	2 Lbs.	100 Lbs.
	.10	.40	.75 postpaid.	35.00

DWARF EXTRA EARLY VARIETIES

Require no staking or brush

American Wonder.—10 to 12 inches. Extra early; of dwarf, compact growth, wrinkled; of the finest quality.

Little Gem.—16 to 18 inches. A dwarf, green, wrinkled Pea, prolific and of excellent flavor. A few days later than above.

Nott's Excelsior.—14 inches. A superior dwarf, wrinkled early; ready for the table in about 45 days; vigorous constitution and wonderfully productive; quality extra fine.

Premium Gem.—15 inches. A fine dwarf Pea of the "Little Gem" type, on which it is a great improvement.

EXTRA EARLY VARIETIES OF MEDIUM HEIGHT

Alaska.—2 feet. A wonderfully early, smooth, blue Pea; vines slender; pods very dark green, about 3 inches long, well filled with small, smooth, blue-green Peas. The earliness, uniformity in ripening and deep color render it a desirable market and canning Pea.

Holmes' Pedigree Extra Early.— $2\frac{1}{2}$ feet. An extra early round, smooth white Pea unequaled in earliness, uniformity in ripening, size, yield and flavor. The universally popular extra early Pea for both market and private gardens.

Holmes' Market-Gardeners Extra Early.—A superior strain of the Extra Early Peas, ripening even throughout the crop. 2 feet.

Price of above.....	Pkt.	Lb.	2 Lbs.	100 Lbs.
	.10	.35	.60 postpaid.	25.00

NOVELTY**NEW PEA, HOLMES' MASTERPIECE**

Extra-Early Large Podded

We have watched the behavior of this splendid Pea with much interest, for it always seemed to us that it would outrank, as a large early Pea, the justly famous Gradus, or Prosperity, and it has. We believe this to be one of the finest and most prolific large-podded Peas ever introduced. The pods contain 8 to 10 perfectly formed Peas, and are of such large size and excellent flavor that they sell on sight at market. In quality and flavor the Peas are all that can be desired. See illustration, back cover.

NOVELTY**NEW ENGLISH PEA, LAXTONIAN**

This is the Largest Podded of All Early Dwarf Peas

A new sort of decided merit. The vines are vigorous, growing about 16 inches high and produce a large crop of good-sized pods, averaging from 9 to 10 Peas to the pod. The Peas are of exquisite flavor and mature early. Many people who have tried Laxtonian consider it superior to either Gradus or Thomas Laxton and claim it to be the best of all the early dwarf sorts. It is certainly worth a trial. See illustration.

Price of above.....	Pkt.	Lb.	2 Lbs.	100 Lbs.
	.10	.40	.75 postpaid.	35.00

SPECIALTY**NEW PEA, GRADUS**

ALSO CALLED EARLY TELEPHONE

Earliest Large-Podded Pea ever Introduced—Height 3 feet; Plant Thickly

In the Gradus we have one of those long strides of progress not often found in the ordinary advancement of vegetables. The variety is an imported one, having been raised by Thomas Laxton in England. The vine has very heavy stems and produces uniformly large pods, measuring 4 to $4\frac{1}{2}$ inches long, nearly round, and well filled with 8 to 10 large handsome Peas. In flavor and quality Gradus is of the highest "marrow" type, melting and sugary, retaining, when served, its bright, vivid green.

SPECIALTY**NEW PEA, THOMAS LAXTON**

A new variety, producing large pods in abundance. Delicious; matures as early as the extra-early smooth Peas and, being a wrinkled sort, is much sweeter.

Price of above.....	Pkt.	Lb.	2 Lbs.	100 Lbs.
	.10	.40	.75 postpaid.	35.00

SECOND OR MEDIUM EARLY VARIETIES

Advancer.— $2\frac{1}{2}$ feet. A great favorite and popularly known as the Dwarf Champion; green, wrinkled peas of fine flavor.

Abundance.—3 feet. A deservedly popular variety, branching from the bottom and bearing abundantly roundish pods 3 to $3\frac{1}{2}$ inches long, well filled with 6 to 8 large wrinkled Peas of excellent quality.

Everbearing.—3 feet. A prolific and continuous-bearing Pea, giving it especial value for both summer and autumn use; pods 3 to 4 inches long, containing 6 to 8 large wrinkled peas, $\frac{1}{2}$ inch in diameter.

Horford's Market Garden.—2 feet. A grand wrinkled Pea, noted for its uniform growth and prodigious yield. The pods, though of medium size, are packed with peas of sweet flavor.

Carter's Daisy, or Dwarf Telephone.—Cross of Stratagem on Telephone. Very productive. Pods long and well filled.

NEW DWARF CHAMPION.—A hardy, robust and vigorous grower of handsome green pods and the quality is unsurpassed. Height of vine 26 inches, 68 days from planting. For a reliable, staple market variety we believe it will fill a long-felt want.

MAIN CROP OR LATER VARIETIES

Long Island Mammoth, or Telegraph.—Large pods and peas. $3\frac{1}{2}$ feet. **Pride of the Market.**—(Imp.) Large pods; popular for market. $1\frac{1}{2}$ feet.

Yorkshire Hero.—A spreading variety; very productive. 3 feet.

Duke of Albany, or American Champion.— $4\frac{1}{2}$ feet. A grand, large-podded, wrinkled Pea, each pod containing from 9 to 12 immense peas; the largest of all varieties, while the quality is superlatively fine, tender, rich and sweet; very productive.

Champion of England.—5 feet. A superior selection of this well-known favorite, noted for the rich, marrow-like quality of its large, wrinkled Peas.

Price of above.....	Pkt.	Lb.	2 Lbs.	100 Lbs.
	.10	.40	.75 postpaid.	35.00

PEAS—Concluded

***Stratagem.**—2 feet. A dwarf, blue, Wrinkled Pea; a heavy cropper, producing large pods well filled with large marrow Peas of excellent flavor.

***Telephone, Special Strain.**—4½ feet. Strong-growing; exceedingly productive pods of largest size, containing 6 to 7 large, wrinkled marrow Peas of rich, sugary flavor.

Black-Eyed Marrowfat.—5½ feet. An old favorite; prolific market Pea.

White Marrowfat.—5½ feet. Similar to above, but of better quality.

Price of above.....	Pkt.	Lb.	2 Lbs.	100 Lbs.
	.10	.40	.75	35.00

SUGAR, or EDIBLE-PODDED PEAS

The pods are cooked like string beans; if used when about half-grown they are deliciously tender and sweet.

***Dwarf Sugar.**—1½ feet. Extra-fine quality; productive and early.

Melting Sugar.—5 feet. Mammoth variety; pods "snap" without string; very sweet; tender.

MAMMOTH LUSCIOUS.—Excels in size, productiveness and quality. Vines average 36 inches; pods gigantic in size; broad, sweet and tender; extremely fleshy; equal best snap beans for cooking pods and all. See illustration.

***Tall Gray Sugar.**—4 feet. Immense pods; snap; 78 days.

Price of above.....	Pkt.	Lb.	2 Lbs.	100 Lbs.
	.10	.40	.75	35.00

Cowpeas and Field Peas.—See Farm Seed Department.

PUMPKINS

Melonen Kurbis
Zucca Bania

Culture.—Sow in good soil in May, in hills 8 to 10 feet apart each way; or in fields of corn about every fourth hill. Avoid planting near other vines. One ounce will plant 15 hills; one pound for an acre.

MAMMOTH GOLDEN CASHAW, or CROOKNECK

This splendid variety is of a rich golden-orange color, and grows to a large size. In its early stages it is dark green, ripening to a warm and rich color. The flesh is much thicker, sweeter and finer grained than in any other Pumpkin, and a deep rich yellow. For making pies this variety is superior, while for stock-feeding and keeping purposes it has no equal.

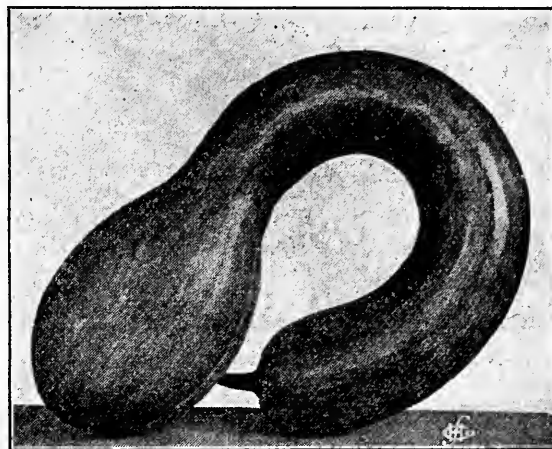
JUMBO, or MAMMOTH POTIRON

No other Pumpkin ever introduced has reached such enormous weights, and been awarded so many prizes. Hundreds of our customers have raised specimens weighing over one hundred and fifty pounds each. It frequently attains a diameter of over 4 feet. The flesh and skin are golden yellow, and, notwithstanding its enormous size, it makes a good table Pumpkin.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.05	.20	.40	1.50



Jumbo, or Mammoth Potiron Pumpkin



Mammoth Golden Cashaw Pumpkin

Cheese.—The most popular for pies and table use; large, flat-round; creamy yellow skin; thick, orange flesh of fine quality.

Small Sugar.—A handsome and productive small Pumpkin; 10 to 12 inches in diameter; round-flattened; skin orange, flesh deep yellow, fine-grained and very sweet.

Winter Luxury.—A superior pie Pumpkin, small, but enormously productive, and an excellent keeper; shape rounding-oblong, about 10 inches in diameter; golden-russet, finely netted; flesh deep golden, sweet and tender.

Improved Green Striped Cashaw.—Improvement on White Cashaw, green and white striped; flesh rich yellow, solid, fine-grained, thick and sweet.

Quaker Pie.—Shape nearly oval. Cream-colored skin and flesh; fine quality.

Tennessee Sweet Potato.—Bell-shaped, white flesh, very thick and sweet.

Japanese.—Surpasses all others in flavor. Flesh thick, salmon-colored, fine-grained, sweet.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.05	.15	.50	1.75

Connecticut Field.—A productive, large, orange-colored field Pumpkin, usually grown for stock feeding, but it also makes good pies.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.05	.10	.30	1.00

PURE NORTHERN-GROWN SEED POTATOES

SPECIAL NOTICE.—This year Seed Potatoes are very scarce and **FIRST-CLASS** stock will be hard to get. Our stock will be the same as in former years—pure and of the finest selection.

Standard varieties of Seed Potatoes weigh 165 pounds to the bag. Plant 10 bushels to the acre. Finest select stock.

Holmes' Improved Early Ohio.—This grand strain of the old reliable Early Ohio is, without doubt, the earliest and most productive variety.

Irish Cobbler.—One of the best extra-early varieties. Very large, white and heavy cropper; of excellent quality. Earlier than the Ohio.

Vermont Gold Coin.—Excellent flavor; small shallow eyes, thin skin, fine-grained flesh; shape slightly oblong, rather broad and thick through. The strong-growing quality and exceptional productiveness make it the best Potato for general crop.

AS THESE PRICES ARE MADE EARLY, THEY ARE SUBJECT TO CHANGE WITHOUT NOTICE

Improved Early Rose.—Pure and genuine.

Maine Rose.—The best variety of the rose type.

Early Harvest.—An unusually heavy yielder.

Early Fortune.—Is very productive and early.

Quick Crop.—Very early vigorous grower.

Sir Walter Raleigh.—New, valuable variety, late.

Rural New-Yorker.—The tubers are large, late.

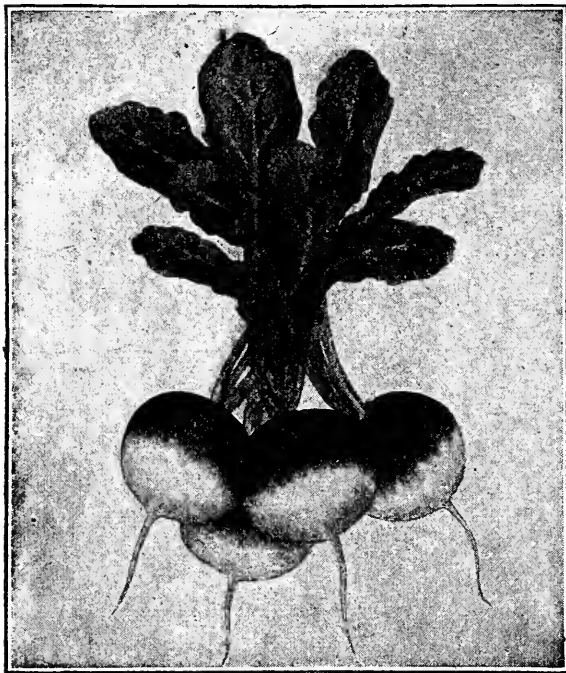
Carman No. 1.—Finest second early Potato, late.

Carman No. 3.—Best late sort; yields heavily, late.

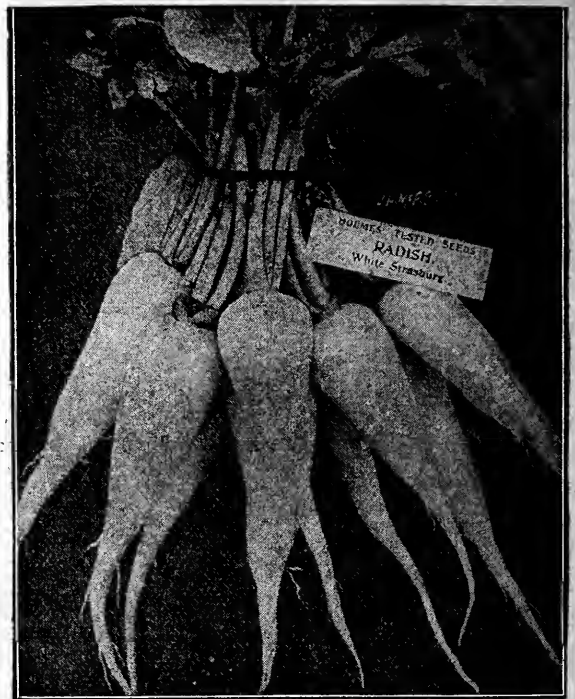
White Elephant.—Very large and late; excellent variety.

WRITE FOR PRICES

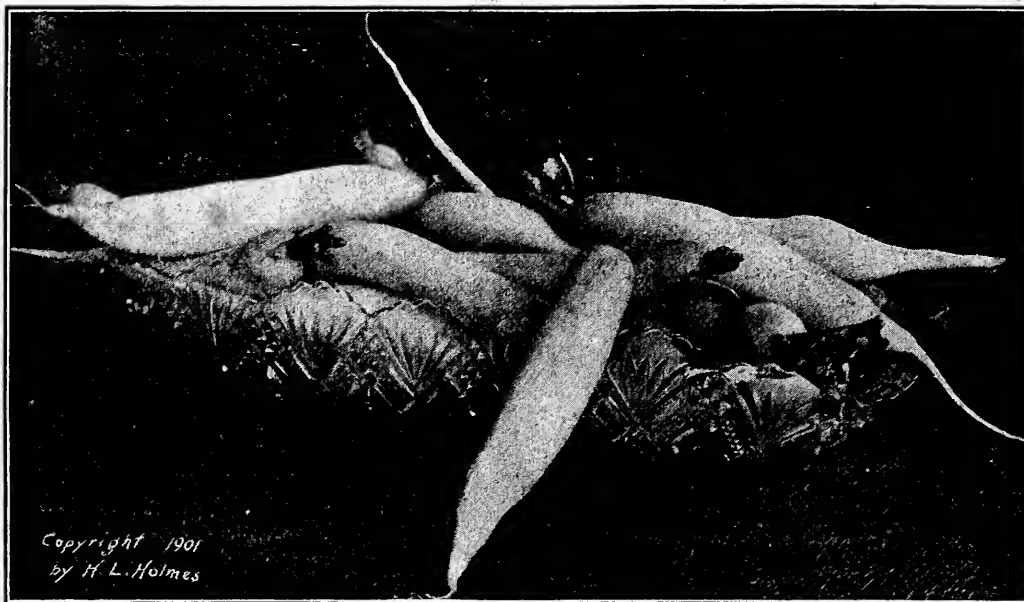




Sparkler, or White Tip Scarlet Turnip Radish



White Strasburg Summer Radishes



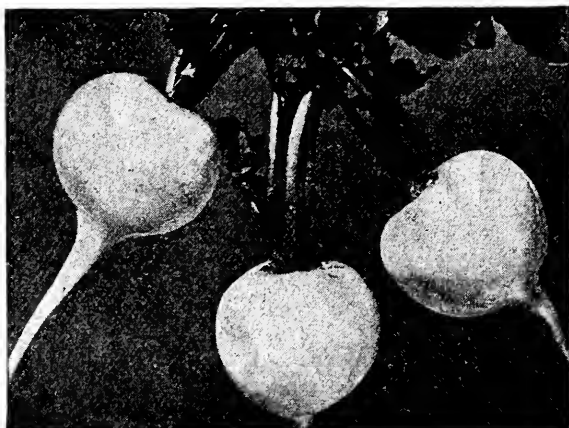
Icicle Radish (from a photograph)



Early Scarlet Turnip Radish



Holmes' Royal Red Forcing Radish



Felton's White Box Radishes



Holmes' Scarlet Globe Radishes

RADISHES

Radies Ravenello
Rzodkiew

Our stock of Radishes is French-grown. Being sown in beds and transplanted, we are positive of having straight sorts.

Culture.—Radishes delight in light, rich, mellow soil, and to be crisp and tender must make rapid growth. For very early use, sow in a gentle hotbed in January, and continue sowing every two weeks until September, in drills 10 inches apart, thinning plants to 2 inches apart. Sow winter Radishes in mid-summer and take up before severe frosts and store in sand or earth in a cool cellar. One ounce will sow 100 feet of drill; 10 pounds in drills will sow an acre.

WHITE STRASBURG SUMMER

This variety is now the most popular summer Radish. Both skin and flesh are pure white, almost transparent, and of a delightful, pungent taste. It can be pulled five weeks from time of sowing, yet it will continue to grow without losing its fine quality and remains tender longer than any other summer sort. See illustration.

SPECIALTY

VICK'S EARLY SCARLET GLOBE

The roots of this Radish are slightly olive shaped; a rich, bright scarlet in color; flesh tender and white. It is fit to pull among the very earliest and is much larger than most of the extra-early Radishes. We especially recommend this to gardeners whose market demands a large, first-early, forcing Radish.

EARLY LONG SCARLET SHORT TOP IMPROVED

This variety is a standard and excellent sort for private gardens or the market. The roots grow half out of the ground, are very uniform in shape, smooth and very bright red in color, and continue crisp and tender until fully matured, when they are about 6 inches long. This is the variety grown so extensively in Petite Cote, Ontario, where the finest Radishes in America are produced.

SPECIALTY

EARLY SCARLET TURNIP WHITE-TIPPED

Or Coopers Sparkler

Handsome; a little later than the extra-early forcing Radishes, but will give entire satisfaction where extreme earliness and small top are not the chief consideration. Roots slightly flattened on the under side; color very deep scarlet with a distinct white tip; flesh white and of the best quality; fine flavored, crisp, juicy, solid, and with never a hint of pithiness. This is an excellent variety, both for home and market purposes.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
Postpaid	.05	.15	.50	1.75

SPECIALTY

NEW WHITE ICICLE

The finest flavored quick-growing Radish now in cultivation

We have no hesitancy in saying it is one of the finest long, white, forcing radishes known. The name is derived from the almost transparent whiteness of the root, which has no comparison among all existing Radishes. Leaves are short; taste is exceedingly fine. If well cultivated, Icicle produces its 3½ to 4-inch cylindrical roots within 22 days from date of sowing. This means the acme of crispness. We find that for successive planting Icicle succeeds as well in midsummer as when sown early; even in an advanced state it retains its fine flavor, never becoming woody. See illustration.

SPECIALTY

HOLMES' ROYAL RED FORCING

Best for forcing in or out doors; quick grower; makes Radishes in three weeks. Globe-shaped; deep red; crisp and tender; tops small. The beautiful color and shape of this Radish make it a very attractive table relish.

SPECIALTY

GIANT FORCING

For Forcing or Open-Ground Culture
A Variety for Market Gardeners

CRIMSON RADISH

A new Early Turnip Radish, double the size of any of the early turnip-shaped type. This variety develops to 6 and often 7 inches in circumference, weighing up to an ounce per bulb, or about four times the weight of similar sorts; but notwithstanding its immense size, does not get hollow or pithy, the flesh remaining sparkingly white, solid, crisp and juicy, and of the mildest flavor. The shape of the bulb varies between round and almost oval, but the bright, deep crimson color of the skin remains quite constant. Excellent, both for forcing and open-ground culture.

FELTON'S MODEL WHITE BOX RADISH

Felton's Model possesses all the excellent qualities of the old Philadelphia White Box, but is superior in being much handsomer and earlier, with fewer and shorter leaves; hence it can be sown more thickly in the row, enabling the grower to raise at least one-third more Radishes in the same space under glass, in boxes or open ground.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
Postpaid	.05	.15	.50	1.75

EARLY ROUND, or TURNIP-SHAPED RADISHES

Early Round Dark Red.—Rich, dark red; medium; uniform.

Early Scarlet Turnip.—Medium; bright scarlet; mild flavor.

SCARLET BUTTON.—Small; round; bright scarlet, white tip.

EARLY OLIVE AND OVAL-SHAPED

French Breakfast.—Oval; bright scarlet; white tip; dainty on the table.

HOLMES' DAINTY FORCING.—Three weeks; sweet, tender and crisp; olive shaped.

Scarlet Olive Shaped.—Half long; bright scarlet; flesh white; excellent for market.

Surprise.—Earliest yellow; fine for early or summer.

White Olive Shaped.—Similar to Scarlet olive shaped.

Yellow Olive Shaped.—Second early; skin golden yellow; tender.

EARLY LONG

Cincinnati Market, or Glass.—Long, scarlet, straight; small top.

Long Brightest Scarlet.—Scarlet; tipped white; mild flavor.

Long White Vienna, or Lady Finger.—Mild and tender.

PEARL FORCING.—Skin pure white; very early; resembles Vienna.

Wood's Early Frame.—A favorite for frame culture.

SUMMER AND AUTUMN

CHARTIER.—Summer Radish; long; large; handsome; flesh white; delicious.

Giant White Stuttgart.—Turnip-shaped summer Radish; tender, mild.

Half-Long Deep Scarlet, or Paris Beauty.—Bright; crisp; flesh.

White Summer Turnip.—A flat, round, early summer Radish.

WINTER

California Mammoth White.—A favorite winter Radish.

Long Black Spanish.—A leading winter variety; excellent keeper.

Rose China Winter.—Skin rosy red; flesh white and firm.

Round Black Spanish.—Roots round; skin black; flesh white.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
Postpaid	.05	.15	.50	1.75

WHITE CHINESE, or CELESTIAL RADISH

Never has a winter Radish won so much favor, and indeed it is worthy of all the praise given it. Mr. Austin G. Rupp has been growing this variety for some years and gets very high prices in market for the Radishes. So valuable did he consider it that for years he thought it policy not to tell his neighbors the name of the Radish. The true stock of this variety is stump-rooted, as will be seen in the photograph, and although a winter Radish, it can also be grown in late summer, as were those photographed and shown in our illustration. The flesh is firm, solid and pure white. It keeps all winter in prime condition and is of mild flavor.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
Postpaid	.10	.25	.65	2.50

RHUBARB, or PIE PLANT

Rhabarber
Rababarbo

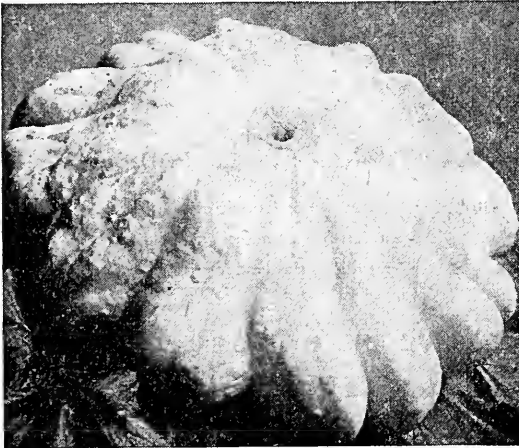
Rhubarb, also known as Pie Plant, or Wine Plant, is the earliest spring vegetable and is grown for its leaf stalks, which are extensively used for pies and sauce.

Rhubarb succeeds best in deep, somewhat retentive soil and the richer this is and the deeper it is stirred, the better. Sow in drills an inch deep and thin out the plants to six inches apart. In the fall transplant into very highly manured and deeply stirred soil, setting them four to six feet apart each way and give a dressing of coarse manure every spring. The stalks should not be plucked until the second year. When a blossom stalk appears, it should be cut back well into the ground and the plant never allowed to exhaust itself by running to seed. Our seed is saved from selected plants of the Linnaeus, Victoria, Giant and other improved sorts, but like the seeds of fruit trees, rhubarb seed can not be relied upon to reproduce the same varieties.

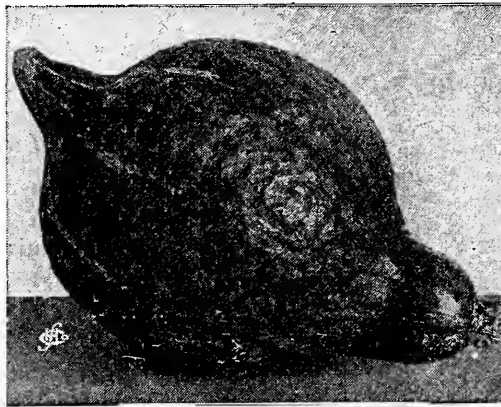
Roots—by mail, prepaid, 15c each; by express or parcel post, not prepaid, \$1.25 per dozen.

Victoria.—A very large, thick, red-stalked late variety of fine quality.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.05	.20	.60	2.25
Roots.....	Each	Doz.	100	1,000
	.15	1.00	5.00	38.00



Mammoth White Bush Scallop Squash



Improved Hubbard Squash



Giant Summer Crookneck Squash

SQUASH

Kurbisz Zucca
Miekuzr

Culture.—The squash is one of the most nutritious and valuable of garden vegetables. The summer varieties come to the table early in the season, while the fall and winter sorts can be had from August until the following spring. The winter varieties are very well adapted for stock feeding, and we heartily recommend them for that purpose.

Squash plants are very tender and sensitive to cold and so planting must be delayed until settled warm weather. General methods of culture are the same as for cucumbers and melons, but the squash is less sensitive to unfavorable conditions of soil. Summer varieties should be planted four to five feet apart each way, and winter sorts eight to twelve. Three plants are sufficient for a hill. In gathering the winter sorts care should be taken not to bruise or break the stem from the squash, as the slightest injury will increase the liability to decay. Winter squashes should be stored in a moderately warm, dry place and the temperature kept as even as possible. For those who desire very early squashes, seed can be planted in boxes, and transplanted.

Insect pests that attack the vines when small, such as the striped beetle, may be kept off by frequent dustings with air slaked lime, tobacco dust, soot or sifted ashes diluted with fine road earth. For the large squash bug, a good remedy is a kerosene emulsion. Probably the most effective way is to place a small piece of board, about 4 x 12 inches, on the ground near the plant. Towards evening or early in the morning the bugs may be gathered from under the boards and destroyed.

Boston Marrow.—Fall and winter variety; large, oval form; skin thin, bright orange, with netting of light cream-color, flesh rich salmon-yellow, fine grained, excellent flavor.

Fordhook.—Early; sweet; dry; good summer variety; oblong.

Golden Custard, or Yellow Bush (Cymlin).—Mammoth scalloped bush; extra quality.

Golden Hubbard.—A true Hubbard, except in color, which is bright red. Wonderfully productive, fruits weigh six to eight pounds; shell warty and strong; flesh deep orange to shell; cooks very dry; good-flavored.

Improved Hubbard.—One of the best winter Squashes; flesh bright orange-yellow, fine-grained, very dry.

Mammoth White Bush Scallop.—Fruit beautiful, clear waxy white; superior in size and beauty.

Mammoth Yellow Summer Crookneck.—Vine larger and stronger than the old Summer Crookneck, and producing fruit fully twice as large, deeper colored and with rough surface.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.05	.20	.75	2.50

AUTUMN AND WINTER

Delicious (Gregory).—Fine quality; excels any in flavor.

Large Warty Hubbard.—Large size; productive; hard, green, warty shell.

Mammoth Chili.—Often weighs 200 pounds; flesh rich, fine flavored.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.05	.20	.75	2.50

SALSIFY (Vegetable Oyster)

Haferwurzels
Jarzynowa Sassefrica

Culture.—It succeeds best in light, well-enriched soil. Sow early and quite deep. The roots are perfectly hardy, and may remain out all winter, but should be dug early in spring. One ounce for 75 feet of drill. Ten pounds to the acre.

Large White.—Common variety; medium-sized; smooth; flesh white.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.05	.15	.50	1.75

MAMMOTH SANDWICH ISLAND.—Larger and less liable to branch than Large White.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.05	.15	.50	1.75

SPINACH

Spinat
Spinace

Culture.—Sow in early spring in drills a foot apart, every two weeks for a succession, and thin out for use. For fall use sow in August; for winter in September. Cover with straw or leaves in winter. Varieties prefixed (*) may be sown in the fall for spring crop. One ounce will sow 100 feet of drill. Twelve pounds to the acre in drills.

***BLOOMSDALE or Norfolk Savoy**.—Fall planting; fleshy; curled; hardy.

Giant Eskimo.—New. A variety we imported from Japan; very large.

LONG SEASON.—Can be grown successfully in hot weather without going quickly to seed. Leaves are very dark green, and grow in a thick, rounded cluster; tender and succulent; remain fresh and crisp for a considerable time after cutting.

Long-Standing.—Excellent; compact; thick, fleshy, dark green leaves.

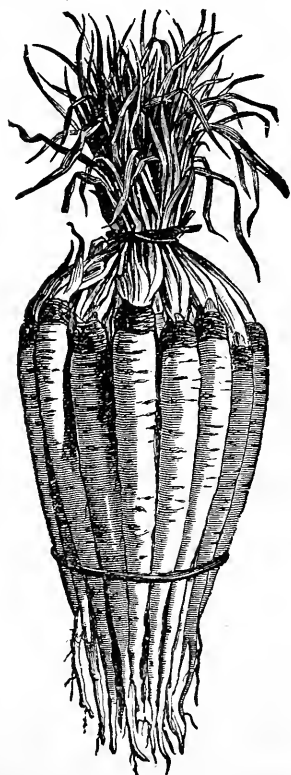
New Zealand.—Abundant; never cooks stringy.

Round-Leaved.—Thick, round, succulent leaves.

***Thick-Leaved**.—Produces large, thick, bright green, crumpled leaves.

Victoria.—Very heavy, broad, deep green leaves, crumpled.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.05	.10	.30	.90



Sandwich Island Salsify

WRITE FOR SPECIAL PRICES OF SPINACH IN QUANTITIES

TOMATOES

Liebesapfel Pomo d'oro
Pomidor

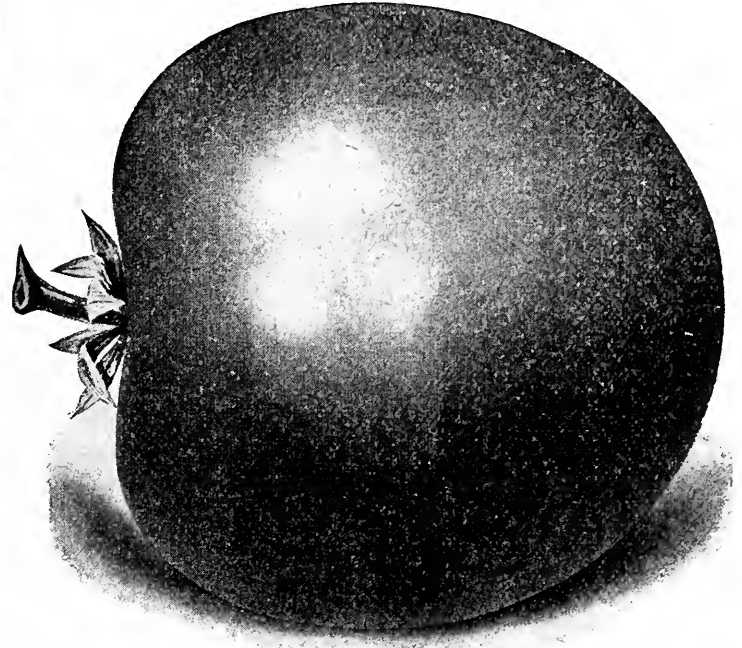
All our Tomato seeds are from seed stocks carefully selected. We challenge comparison with any offered.

Culture.—Tomatoes do best on light, warm, not overrich soil. Sow in hotbeds from six to eight weeks before they can be set out of doors; when the plants have four leaves transplant into shallow boxes or coldframes, setting them 4 to 5 inches apart. Set out of doors as soon as danger from frost is over. The fruit will be better in quality if the vines are tied to trellis or stakes.

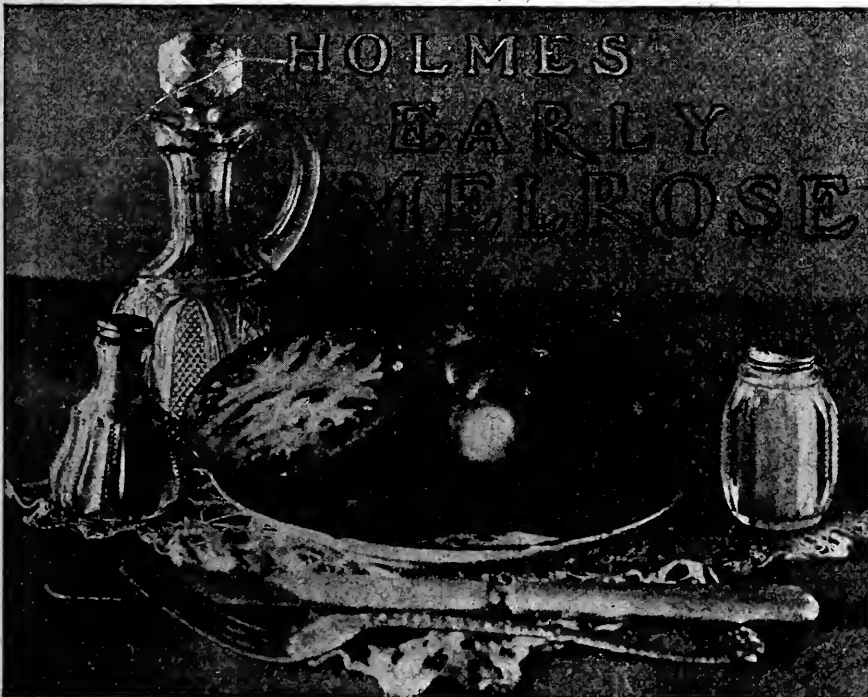
One ounce for 1,500 plants, $\frac{1}{4}$ lb. for an acre.



Holmes' Everbearing Tomato. Full description see page 34.



Livingston's Globe Tomato



Beefsteak or Crimson Cushion Tomato



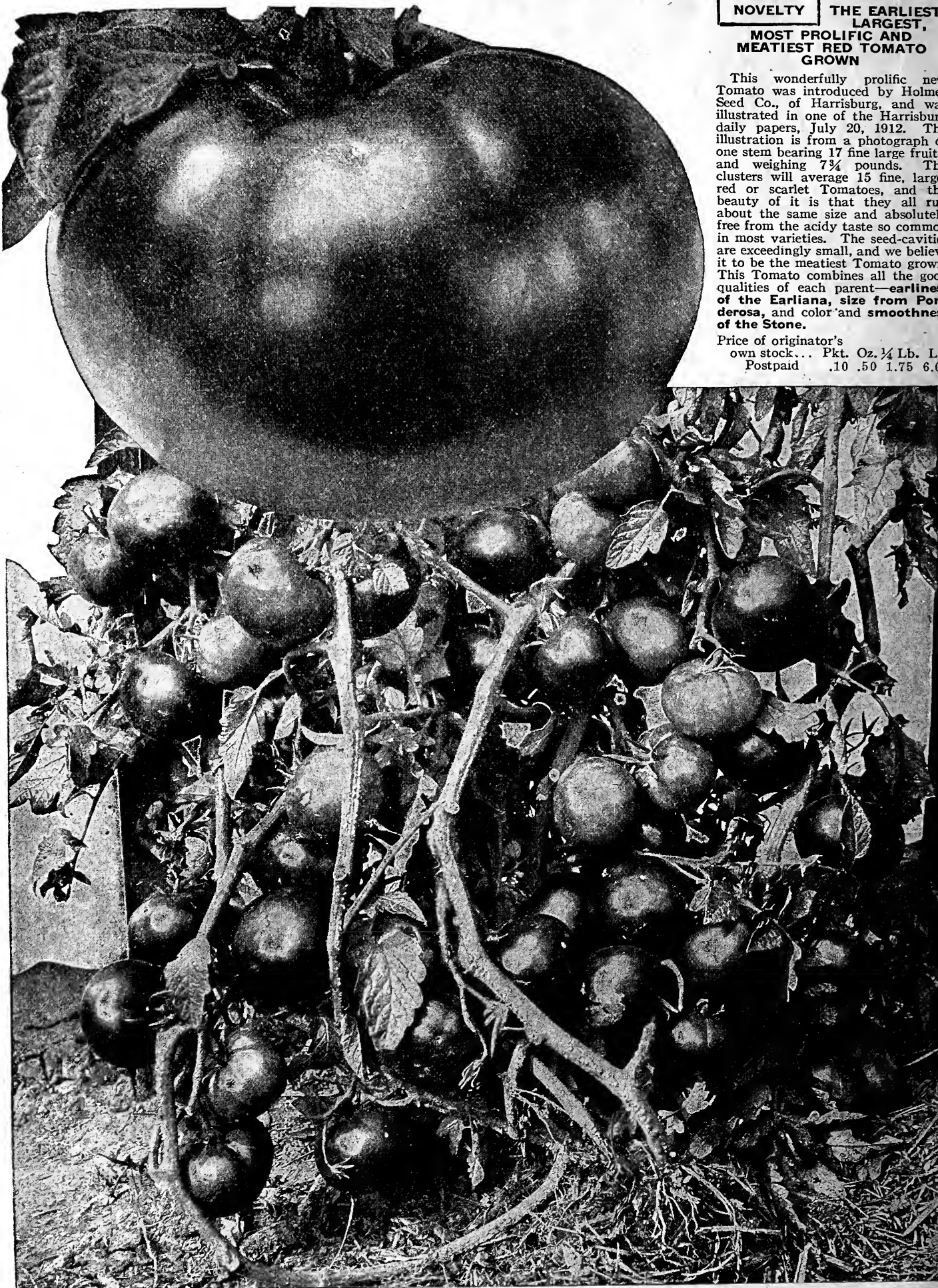
Stone Tomatoes

HOLMES' EVERBEARING TOMATO

NOVELTY THE EARLIEST,
LARGEST,
MOST PROLIFIC AND
MEATIER RED TOMATO
GROWN

This wonderfully prolific new Tomato was introduced by Holmes Seed Co., of Harrisburg, and was illustrated in one of the Harrisburg daily papers, July 20, 1912. The illustration is from a photograph of one stem bearing 17 fine large fruits, and weighing 7 $\frac{1}{4}$ pounds. The clusters will average 15 fine, large, red or scarlet Tomatoes, and the beauty of it is that they all run about the same size and absolutely free from the acid taste so common in most varieties. The seed-cavities are exceedingly small, and we believe it to be the meatiest Tomato grown. This Tomato combines all the good qualities of each parent—earliness of the Earliana, size from Ponderosa, and color and smoothness of the Stone.

Price of originator's
own stock... Pkt. Oz. $\frac{1}{4}$ Lb. Lb.
Postpaid .10 .50 1.75 6.00



The above illustration from Photograph of single vine showing 64 fruits and single fruit showing size attained.

TOMATOES

SPECIALTY

BEEF STEAK, or CRIMSON CUSHION

THE VERY BEST LARGE-FRUITED BRIGHT CRIMSON TOMATO

The Crimson Cushion is well worthy of its name; in beauty of coloring and symmetry of form, it is indeed without a peer. The vines are of strong, vigorous growth, well set with fruit; the foliage is very rich dark green in color. The fruits are of the largest size, which size is maintained throughout the season.

PONDEROSA.—The largest Tomato of all.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
Postpaid	.10	.40	1.25	4.50

SPECIALTY

"EARLY BONNY BEST."—Nearly as early as Earliana; color intense scarlet and ripening even up to the stems; round and slightly flattened

at the stems. Of good size and uniform. Good for early, medium and late crop.

CHALK'S EARLY JEWEL.—One of the best for main crop. Bright scarlet; very solid; fine flavor.

Crine's June Pink.—Extra early; fruit smooth, about 3 inches in diameter, almost round; flesh solid; finely flavored; free from acidity.

DWARF CHAMPION.—Early; prolific; smooth; medium-sized; pinkish-purple.

Livingston's Coreless.—Bright red; immense clusters; mild acid flavor.

LIVINGSTON'S DWARF STONE.—Resembles Livingston's Stone in color and shape. Specimen fruits weighing 1 pound are common. More productive and as early as New Dwarf Stone.

LIVINGSTON'S NEW GLOBE.—Globe-shaped; early; large size; smooth; firm-fleshed; color glossy rose, tinged purple; very delicate.

MATCHLESS.—Fruit large, smooth, free from core; rich cardinal red.

SPARK'S EARLIANA.—Remarkable for earliness; large size; handsome shape and bright red color; solid; fine quality.

STONE.—Fruit round, apple-shaped; very large; deep red; heavy.

Trophy.—Extra selected; an old favorite.

Truckers' Favorite.—Reddish-purple; fleshy; vines strong and vigorous.

Yellow Plum, Yellow Pear, Red Pear.—For preserving.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
Postpaid	.10	.30	1.00	3.00

NOVELTY

HOLMES' EVERBEARING TOMATO

THE EARLIEST, LARGEST, MOST PROLIFIC AND MEATIEST RED TOMATO GROWN

This wonderfully prolific new Tomato was introduced by Holmes Seed Co., of Harrisburg, and was illustrated in one of the Harrisburg daily papers, July 20, 1912. The illustration is from a photograph of one stem bearing 17 fine large fruits, and weighing 7¾ pounds. The clusters will average 15 fine, large, red or scarlet Tomatoes, and the beauty of it is that they all run about the same size and absolutely free from the acid taste so common in most varieties. The seed-cavities are exceedingly small, and we believe it to be the meatiest Tomato grown. This Tomato combines all the good qualities of each parent—earliness of the Earliana, size from Ponderosa, and color and smoothness of the Stone.

Price of originator's own stock.....	Pkt.	Oz.	¼ Lb.	Lb.
Postpaid	.10	.50	1.75	6.00

ACME.—Early; medium sized; smooth; solid; prolific; purplish pink.

BEAUTY.—Early; prolific; medium sized; smooth; solid; purplish red.

Buckeye State.—Large; solid; meaty; deep purple; heavy cropper.

CUMBERLAND RED.—Color bright red; medium early.

Favorite.—Large; solid; smooth; bright scarlet; ripens evenly.

Golden Queen.—Large; handsome form; beautiful clear yellow color.

Early Paragon.—Bright red; standard for market and canning.

Perfection.—Smooth, tough skin of brilliant scarlet; solid, rich flavor.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
Postpaid	.05	.25	.85	2.75

TABLE TURNIPS

Weisse Rube

Ravone

One ounce for 100 feet;
2 pounds to the acre

Rzoper Cruklew

For feeding stock in fall and winter there is nothing superior to Turnips and Rutabagas, as they are much liked by all kinds of stock and serve to keep them in good condition. We can not too earnestly recommend farmers to increase their sowings largely, for we are sure the crop will prove remunerative.

This wholesome and agreeable vegetable is most easily affected in its form and flavor by soil, climate and mode of culture. There are a great many varieties, but our list comprises the best for the garden or farm.

Sow in drills about two feet apart and half an inch deep, or sow broadcast, but in either case be sure to have the ground rich and freshly stirred. Be careful to weed and thin out so the young plants will not be checked and injured. Any overcrowding will result in rough and poorly flavored roots. It is important to get the spring and summer crops started very early so that the Turnips may have time to grow to sufficient size before hot weather causes them to become tough and bitter.

In the Middle and Western States sow for fall and main crop from middle of July to last of August, and in the manner given for spring sowing. In the field, Turnips are often sown broadcast, though in most cases better results are obtained by drill culture.

To preserve Turnips in good order for winter, store in a cool cellar and cover with sand or turf to keep them fresh. Another method is to put them in a pit dug in dry soil where there will be no danger of water standing, and to cover with straw overlaid with earth sufficiently deep to keep out frost. Thus protected, Turnips will keep well till spring.

WHITE-FLESHED VARIETIES

Cow Horn, or Long White.—Carrot-like in form, slightly crooked. Delicate and well flavored; valuable as a market sort for fall and early winter, also for turning under.

EARLY PURPLE-TOP STRAP-LEAVED.—Early; favorite for table use; medium size; flesh white.

Early White Flat Dutch.—Standard early, white flat Turnip.

Extra-Early Purple-Top Milan.—All in all, these Milan Turnips leave little to be desired in the way of an extra-early garden Turnip.

PURPLE-TOP WHITE GLOBE.—Nearly as large as Pomeranian White Globe; white flesh; excellent, equally desirable for table or stock.

White Egg.—Oval or egg-shaped; firm; mild, sweet and very tender.

White Globe.—Globe-shaped; early, mild and tender.

Price of above.....	Pkt.	Oz.	¼ Lb.	Lb.
	.05	.10	.35	1.25

YELLOW-FLESHED VARIETIES

Golden Ball, or Orange Jelly.—Medium size.

Purple-Top Yellow Aberdeen.—Large, globe-shaped.

YELLOW, or AMBER GLOBE.—Yellow-fleshed; globe-shaped; large.

RUTABAGA

(RUSSIAN, or SWEDISH TURNIP)

Two to three pounds to acre

Improved American Purple Top.—Old popular standard; rich flavor

SWEET, POT AND MEDICINAL HERB SEEDS

No garden is complete without a few Herbs for culinary or medicinal purposes. These should be harvested on a dry day, just before they come into full bloom, then dried quickly and packed closely, excluding the air.

	Pkt.	Oz.	¼ Lb.	Lb.
Anise (Grüner Anis). For garnishing, cordials and flavoring.....	.05	.10	¼ Lb.	.25
Balm (Citronen-Melisse). For tea and balm wine; useful in fevers.....	.05	.20	¼ Lb.	.60
Basil, Sweet (Basilikum). Used for soups, stews and sauces.....	.05	.20	¼ Lb.	.60
Caraway (Feld Kümmel). Used in confectionery, cakes and medicine.....	.05	.10	¼ Lb.	.25
Coriander. For garnishing; seeds are aromatic, used for flavoring.....	.05	.10	¼ Lb.	.25
Dill. Aromatic seeds, used in pickles, preserves, soups, sauces.....	.05	.10	¼ Lb.	.25
Fennel (Fenchel). Leaves used for fish sauces and garnishing; seed in confectionery and for flavoring liquors.....	.05	.10	¼ Lb.	.25
Horehound. For tonic and cough.....	.05	.15	¼ Lb.	.40
Lavender (Lavendel). Popular aromatic herb; delightful perfume.....	.05	.35	¼ Lb.	1.00
Marjoram, Sweet (Marjoram). Used for seasoning.....	.05	.20	¼ Lb.	.75
Sage (Salbei). Leaves used in dressings and sauces.....	.05	.20	¼ Lb.	.60
Savory, Summer. Used for seasoning, flavoring soups and dressings.....	.05	.15	¼ Lb.	.40
Savory, Winter (Bohnenkraut). Leaves used for flavoring.....	.05	.25	¼ Lb.	.75
Thyme, Broad Leaved (Thymian). Used for seasoning; also as bee food.....	.05	.40	¼ Lb.	1.25

By Mail, Postpaid.

.90

2.00

2.00

.90

.75

.75

.75

1.50

3.50

2.50

1.60

1.50

2.50

4.00

SPECIAL NOTICE: Owing to the many changes in the markets, customers are requested to write us for prices ruling at the present time.

MANURIAL CROPS

PRICES OF SEEDS ON THIS PAGE SUBJECT TO CHANGE WITHOUT NOTICE

Modern agricultural practice proves that it is far more economical and desirable to grow the nitrogen fertilizers for soil than to attempt to produce this in the form of manure, especially on large farms or where much live stock is not kept. The chief thing the soil needs is organic matter, and if the farmer can not afford to give enough of this in the form of manure, he can afford to grow and turn down certain good cover-crops for fertilizing. The clovers of various kinds, such as the Mammoth Clover, Red Clover, Alfalfa, Alsike and the Sweet Clovers are beneficial as soil renewers, and in addition to these there are Cowpeas, Soy Beans and, in fact, Peas and Beans of all kinds, Sand and Spring Vetches, Sainfoin, Kidney Vetch, Yellow Lupine and other Legumes which have the power of catching nitrogen from the atmosphere and transforming it into available form for plant-growth.

Where soil is even too thin or poor in quality to grow Red Clover, Sand Vetch or Alsike can be started, and after growing these crops the Red Clover can then be grown with success. If these cover-crops are grown and turned under, the farmer then can add lime, phosphoric acid in the form of acid phosphate, and potash in the form of Kainit or wood ashes, and will find the soil then to contain fairly well-balanced rations for plant-food and be rich and productive in a few seasons.

COWPEAS

Can be grown in all parts of the country where Dent Corn succeeds. It is one of the best for temporary pastures. As a grazing crop it is valuable for producing milk, growing young stock and fattening all kinds of domestic fowls and animals. Effective fertilizing plant, and can be used as a green manure crop at any time during the summer and in almost every crop rotation. Can be grown on greater variety of soils than any other legume.

LARGE BLACK EYE. Extremely early variety, matures peas in six to eight weeks.

BLACK. Quicker to mature than other varieties and better adapted for late planting or for growing north of Virginia.

CLAY. Tall, erect, large dark green leaves; stems of vigorous growth; pod large and yellow; seeds kidney-shaped, medium size, cream-colored; medium to late in ripening.

NEW ERA. A very regular variety; erect and not inclined to run; matures in 60 or 75 days.

WHIPPOORWILL. Usually an erect grower and rarely climbs; pods gray, long and full; seeds large, nearly spherical, mottled red and white; matures early. One of the best for late planting and growing.

Prices of above, pkt. 10 cts., lb. 25 cts., 3 lbs. 60 cts., postpaid.

Barley, BEARDLESS. This variety is free from beard. Lb. 25 cts., 3 lbs. 60 cts.

Rye, WHITE WINTER. It is much harder than wheat and can be grown on a greater variety of soils. It is not only grown for grain, but for straw and soiling purposes. Plowed under when about 6 inches high, it is in condition to add great fertility to the soil. Rye can be cultivated longer on the same land than any other crop. Can be sown at the last working of corn. Sow at the rate of $\frac{1}{2}$ bushel to the acre. Lb. 20 cts., 3 lbs. 50 cts., postpaid.

SPRING. True stock. Spring Rye is an excellent catch-crop where winter grain has been killed out, or where a fall crop has not been planted. Lb. 20 cts., 3 lbs. 50 cts., postpaid.

Buckwheat, JAPANESE. Is much superior to the common Buckwheat. The yield is far greater and it makes a superior flour. It is used as a poultry-food. Sow 1 bushel (48 lbs.) to the acre broadcast. Lb. 25 cts., 3 lbs. 60 cts., postpaid.

SILVER HULL. The grains are of a silvery gray color, making a white flour. Prices same as Japanese.

Broom Corn, IMPROVED EVERGREEN. Best variety for general cultivation, on account of color and quality of brush; ripens very early; grows about 8 to 10 feet high; brush of good length, fine and straight, and always of green appearance when ripe. Lb. 25 cts., 3 lbs. 65 cts., postpaid.

Spring Emmer. (Incorrectly called Speltz.) A grain especially suited for dry lands. Being semihardy, it can be sown very early in the spring like oats. Emmer grows best in the dry prairie regions with hot summers, and even does well in poor or stony ground. It is a better drought and rustresister than either oats or barley, and it also yields considerably better. The feeding value is high. Lb. 25 cts., 3 lbs. 60 cts., postpaid.

Milo Maize. A variety of sorghum, nonsaccharine, growing stalks 8 to 10 feet high. Useful for the large amount of green feed or cured fodder it produces and for its grain. It stands dry weather and makes its crops when corn would wholly fail. Plant in 3-foot rows and cultivate as corn; 3 to 5 lbs. to the acre. Lb. 20 cts., 3 lbs. 50 cts., postpaid.

Sorghum, or Sugar Cane. Sorghum is a sweet fodder of most luxuriant growth. There is no better feed for horses—very nourishing, fattening and keeps the bowels open, and can be safely fed at any stage of growth. Fed to cows, proves a great milk producer and is a wonderful feed to fatten hogs. Will produce as high as 20 tons per acre, and two or three cuttings in a single season.

EARLY AMBER. Grows from 11 to 12 feet in height and can be planted by the first of May. The seed ripens almost invariably, affording an excellent food for stock and poultry. Lb. 20 cts., 3 lbs. 55 cts., postpaid.

EARLY GEM. This is a strong grower and will outyield any other Sorghum; is highly recommended as a feed for horses and cows. Lb. 25 cts., 3 lbs. 65 cts., postpaid.

Kaffir Corn. One of the best forage-plants. If the crop is wanted mainly for fodder, it is recommended to cut down the whole stalk when the first seed heads come into bloom. The second growth springing at once from the roots, will still mature a full crop of grain and a second full crop of forage by October 15. For grain sow in rows 3 feet apart, 5 lbs. to the acre. For fodder, sow 3 pecks broadcast. Pkt. 10 cts., lb. 25 cts., 3 lbs. 60 cts., postpaid.

Sunflower, MAMMOTH RUSSIAN. Makes large heads; valuable for poultry. Qt. 30 cts., postpaid. By freight or express, lb. 25 cts., 100 lbs. \$20.00.

Field Peas, CANADA. "Peas could be made to bring more nitrogen to the soils of this country every year than is now purchased annually by the farmers at the cost of millions of dollars."—Year Book of the U. S. Department of Agriculture. Peas are second only to clover in their soil-enriching properties and can be grown under almost any condition. The vines make rich, nutritious hay, or can be grown to turn under. Peck \$1.75, bushel (60 lbs.) \$5.25, 2 bushels \$10.00.

LARGE MARROWFAT. Growth immense. The best of the Field Beans for hay. Peck \$2.75, bushel (60 lbs.) \$10.00.

New Velvet Bean. A very heavy yielding legume belonging to the Soja and Cowpea class. The most rampant growing of all these sorts. Popular in the South—and of value in the North for a cover crop. Pkt. 10 cts., lb. 30 cts., postpaid. For larger lots write for prices.

Giant Spurry. An annual plant extensively cultivated in Europe as a winter pasture for cattle and sheep; grows well on poor, dry, sandy soil; an excellent fertilizer for light soil and valuable for forage. Sow 12 lbs. to the acre. Lb. 30 cts., 3 lbs. 75 cts., postpaid. For larger lots write for prices.

Teosinte. A valuable continuous-cutting forage plant for the Southern and Southwestern States, furnishing a most nutritious food, green or dry, for horses and cattle. Sow in May or June in drills $3\frac{1}{2}$ to 4 feet, 2 to 3 lbs. to the acre. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50, postpaid.

Soja Beans. The Soja Bean is often used to take the place of clover where the soil is not fertile, both for hay and for fertilizing purposes. It is a sure cropper. Ordinary yield of beans 25 to 40 bushels per acre. One of the richest of natural food stocks. Sow about 1 bushel to the acre, either broadcast or drilled.

MAMMOTH YELLOW. Lb. 30 cts., 3 lbs. 75 cts. Write for prices in larger lots.

Dwarf Essex Rape. This plant is extensively grown for sheep forage, and for green manure. Farmers who desire to get young cattle, sheep or lambs into favorable condition to be sold advantageously in the fall, can do it most cheaply by growing this. Three pounds of seed to the acre in rows, or broadcast at the rate of 6 pounds to the acre. Our stock is the true Essex Dwarf. Lb. 30 cts., 100 lbs. and over at \$25.00.

Vetch, Spring, or TARES (Vicia sativa). Used for the same purpose as the Sand Vetch, but will not thrive on poor soil or withstand extremes of weather as successfully. Sow with oats, using a bushel of each to the acre. Lge. pkt. 5 cts., lb. 30 cts., postpaid. For larger lots write for prices.

SAND, HAIRY, or WINTER (Vicia villosa). The winter cover-crop. A large yielding and nutritious forage-crop; splendid for grazing and soil improving. It is very hardy, is valuable as a winter cover-crop to prevent leaching. It is an annual, but resows itself and will come up year after year on the same ground. Valuable where clover does not thrive. The Department of Agriculture estimates the value of an acre of this Vetch plowed under equal to commercial fertilizer at the rate of \$16 to \$40 an acre. One to one and one-half bushels of seed required to the acre. Lb. 50 cts., postpaid. For larger lots write for prices.

MILLETS

GERMAN, or GOLDEN MILLET. Matures two weeks later than the common Millet. The seed we offer will produce more than double the quantity of fodder usually got on the same ground. Four to five feet high. Sow 1 bushel to the acre. Lb. 25 cts., 3 lbs. 60 cts., postpaid. For larger lots write for prices.

PEARL MILLET, or PENICILLARIA. An immense fodder yielder, attaining a height of 8 to 10 feet. Can be cut several times during a season. Sow 10 pounds to the acre. Lb. 30 cts., 3 lbs. 75 cts., postpaid. For larger lots write for prices.

SIBERIAN. Rapidly becoming the most popular of all Millets. Very productive; grows 4 to 5 feet. Withstands drought wonderfully. Lb. 25 cts., 3 lbs. 60 cts., postpaid. For larger lots write for prices.

COMMON MILLET. Best quality for feeding. Lb. 20 cts. For larger lots write for prices.

JAPANESE MILLET. Particularly valuable in the Northern States as a quick-growing forage and ensilage crop. Six to eight feet, yields 10 to 18 tons of green fodder to the acre. Two parts of the Millet with one part Soja Beans form a completely balanced ration that may be fed without grain. Sow 10 to 12 pounds to the acre. Lb. 25 cts., 3 lbs. 60 cts. For larger lots write for prices.

HUNGARIAN. A very valuable forage-plant of the Millet family, but not so coarse. Sown and cultivated same as Millet, and quite a favorite with stockmen. Lb. 20 cts., 3 lbs. 60 cts. For larger lots write for prices.



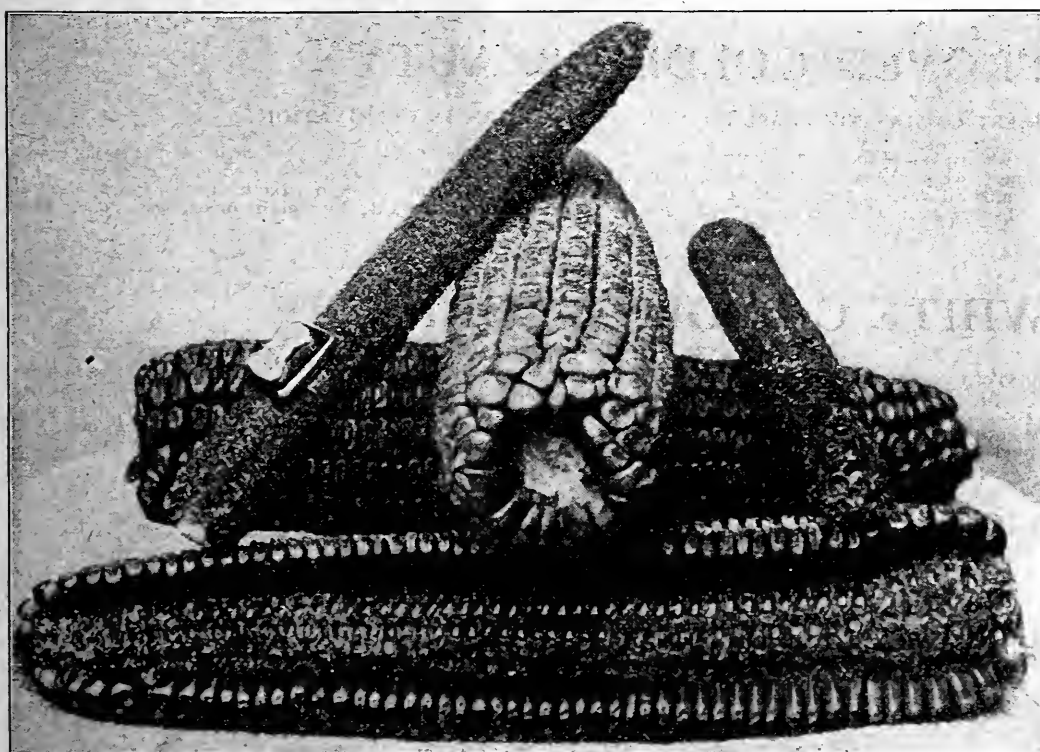
EXTRA SELECTED FARM SEEDS

Fully realizing the great importance of supplying the farmer with the highest quality of Farm Seeds, we have given this branch of our business special study, exercising the greatest care in growing and securing seed of the highest standard in purity and quality—fully matured, plump, sound, fresh and clean. The care exercised in selecting our seeds has given Holmes' Field Seeds an enviable reputation and today our house is recognized as headquarters for the most reliable field and grass seeds.

HOLMES' EARLY GOLDEN SURPRISE CORN

90-DAY FIELD CORN

THIS REMARKABLE VARIETY IS INCOMPARABLE IN SOLIDITY, UNIFORMITY, DEVELOPMENT OF THE TIP AND BUTT, EXTRA-ORDINARY YIELD AND SMALLNESS OF COE



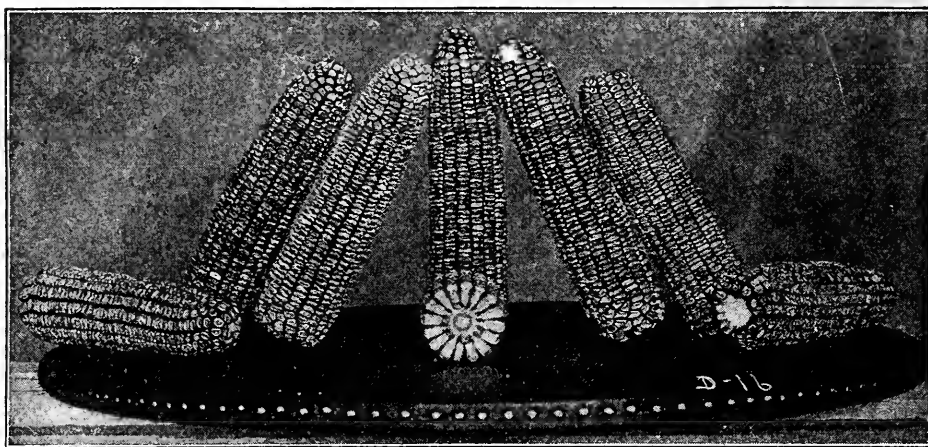
Holmes' Early Golden Surprise

No other Corn has given such universal satisfaction as our Early Golden Surprise. Its prepotency and power of reproduction is so great that neither wet nor dry weather noticeably influences its growth and maturity. Unapproachable as a yielder, it withstands the harshest weather and when shelled this Corn produces a superior quality on account of extreme smallness of cob and depth of grain. The cobs are so small that many may be encased in an ordinary finger ring, as seen by our illustration. The grains are of a rich golden color, very deep, and profitable on account of small percent of waste of cob. The cob is so small that 35 pounds of ears produced 31½ pounds of shelled Corn. The Corn is a vigorous grower, with short, strong stocks and an abundance of deep green foliage, which makes it an excellent fodder Corn. It matures uniformly in 90 days from planting, and all points considered it is the best field Corn in cultivation. Golden Surprise is the greatest money earner yet introduced to the American farmer. There can be nothing of greater importance to him than to increase the yield and feeding value of Corn. Early Golden Surprise will give that result. Lge. Pkt., by mail, postpaid, 10 cts., lb. 30 cts., 3 lbs. 70 cts., by freight or express, not prepaid, lb. 20 cts., peck \$1.50, ½ bushel \$2.50, bushel \$4.75, 2-bushel sack \$9.00.

The past season when other varieties failed to grow, Golden Surprise gave excellent results. Our customers report that every grain grew.

Special Notice: We are compelled to make prices in advance on Field Seeds given in the following pages

THESE PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE



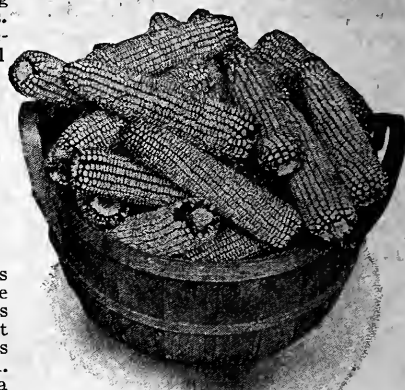
Reed's Golden Dent Seed Corn

The stalk is rather light, short and well developed. The foliage is abundant. The well-developed roots and strong, wiry stalks enable it to stand up well, even during windy seasons. When mature, the husks are loose, dropping away from the ear. Considering the size of the ear it is a surprisingly good yielder, due to the fact that a great many of the stalks bear two ears. Its rich golden color and fine quality of grain make it superior for grinding into meal. It is perfect in every respect. Pkt. 10 cts., lb. 25 cts., by mail, postpaid; by freight or express, lb. 20 cts., peck \$1.25, bushel \$4.50.

REED'S GOLDEN DENT

A deep, pure yellow Corn, with uniform ears 8 to 10 inches long, 7 to 8 inches in circumference, cylindrical, with well-filled butts and exceedingly well-developed tips. The kernels are rough, deep, $\frac{3}{8}$ to $\frac{1}{2}$ inch long, $\frac{3}{8}$ inch wide, broad wedge and uniform. One of the chief characteristics of Golden Eagle is its large percentage of grain, in which respect it exceeds any other variety. The average is about 90, often above. The very small, light cob, deep kernel and perfect cylindrical shape make this high average possible. Each ear contains 16 to 18 rows of kernels and each row 50 to 60 kernels. Forty bushels of Ear Corn will shell 44 bushels of grain.

This is an early variety, maturing in about 90 days. It grows well on almost any soil. It is used extensively as a replant corn and is especially desirable for fields which for some reason have to be planted late. It stands high with feeders because of the small cob. It is easily broken and readily masticated by cattle. As it matures thoroughly, it is sweet and palatable, making the very best grain fed.



A Half Bushel of Improved Mastodon

IMPROVED MASTODON

OUR FAMOUS ENSILAGE CORN

Is a yellow Corn with white cap and red cob. The ears attain exceptional size, being from $9\frac{1}{2}$ to 12 inches long and from $7\frac{1}{2}$ to $8\frac{1}{2}$ inches in circumference. Some of the ears retain a slight taper from butt to tip, but the large majority are very cylindrical. The ears weigh 11 to 18 ounces, having from 16 to 22 rows. The crown is slightly roughened, with rounding corners, the rounding corners giving a smoother appearance to the Corn than it really has. The kernels set very close together and have a fine large development of the germ. This Corn carries a large percent of oil and protein. We have obtained some striking results as to yield with the Improved Mastodon. Under ordinary conditions this Corn yields over 100 bushels an acre. The stalk is large and stiff, producing a great amount of luxuriant foliage, which, when cured, affords a very superior article of fodder. It stands about 10 feet high, the ear appearing 4 feet from the ground. It has come into such favor as an ensilage Corn that there is a great demand for it by dairymen throughout the country. It matures in 120 days and is recommended for any soil. Pkt. 10 cts., lb. 25 cts., 3 lbs. 60 cts., by mail, postpaid. By freight or express, lb. 20 cts., peck \$1.25, bushel \$4.50.

IMPROVED GOLDEN BEAUTY

HAS THE LARGEST GRAIN AND SMALLEST COB OF ANY CORN IN CULTIVATION

The productiveness of the Golden Beauty Corn is due to the economical shape of the ears and the fact that a large proportion of the stalks produce fine ears. It is the largest grained and handsomest golden yellow Corn we have ever seen. The ears are of perfect shape, with 10 to 14 straight rows. Cobs are unusually small; when broken in half the grains will reach across them. The richness of color and fine quality of grain make it superior for grinding into meal. We can guarantee this Corn to give good satisfaction wherever grown. Lb. 25 cts., 3 lbs. 60 cts., postpaid; by freight or express, peck \$1.25, bushel \$4.50.

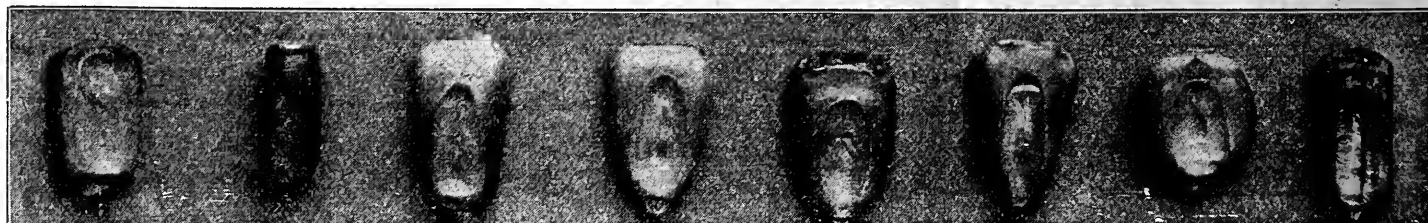
WHITE CAP DENT CORN

This combines the earliness and hardness of the Pride of the North, with ears of very large size. The stalks are stout, growing 6 to 7 feet in height, with abundant foliage. Ears of handsome appearance, 8 to 10 inches in length, well filled, having 16 to 18 rows of deep grains. The cob is small, grains being very deep and quite wide. The outer end of the grain is white, deeply dented, while the inner portion is a clear amber-yellow. The grains are flattened and set squarely on the cob and completely fill the entire surface of the ear. Choicest stock grown by the originator at prices quoted below. Lb. 25 cts., 3 lbs. 60 cts., postpaid. By freight or express, peck \$1.25, bushel \$4.50.

GOLD STANDARD LEAMING CORN

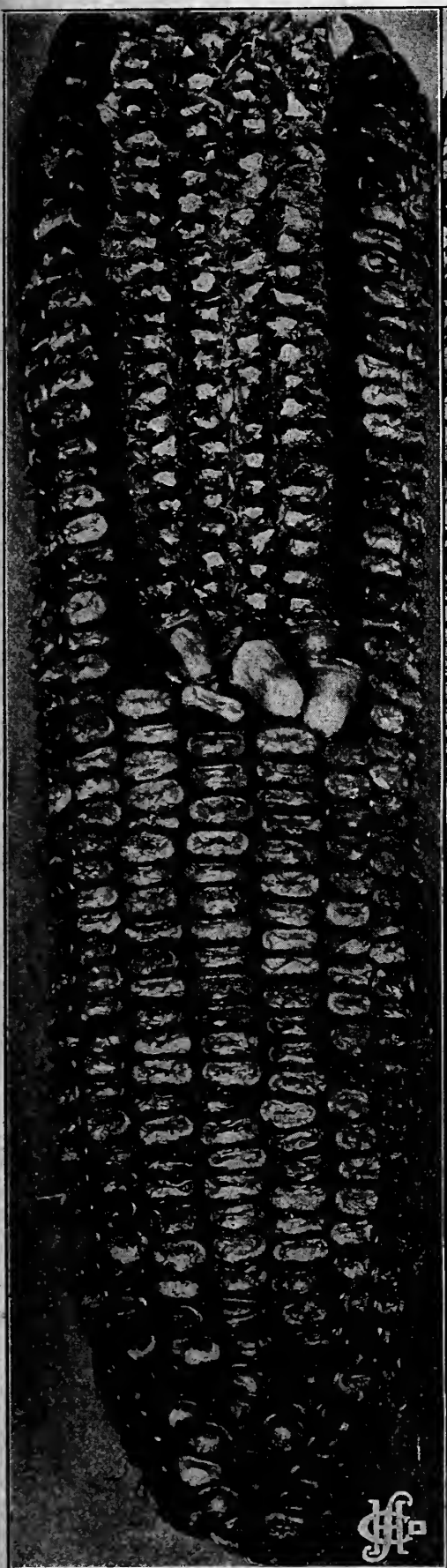
We have increased the size of ears and percentage of grain by breeding from tapering to cylindrical shape. We have also increased depth and roughness of kernel and feeding value by increase of protein and fat. The ears range from 9 to 11 inches long, $7\frac{1}{2}$ to 8 inches in circumference, weighing 12 to 17 ounces. The stalks range from 9 to 12 feet in height, are well developed below the ear and slender above. They are very valuable for ensilage and thrive well on all soils where many other varieties fail. It is an immense yielder, producing, under favorable conditions, 100 bushels or more to the acre.

Prices same as White Cap Dent.



1 2 3 4 5 6 7 8

Group of Kernels showing Desirable and Undesirable Shapes. Nos. 3, 4, 5, 6 are fair to best shapes, while 1, 2, 7 and 8 are to be avoided.



From photograph
Above ear $\frac{3}{4}$ natural size



HOLMES' LIBERTY BOND—field of corn growing for seed

CORN IS KING

Holmes' LIBERTY BOND Field Corn

**DECIDEDLY THE LARGEST AND BEST FIELD CORN
IN CULTIVATION. ABSOLUTELY DROUTH PROOF**

Holmes' Liberty Bond originated in Lehigh county and has been grown there by a prosperous farmer for a number of years. Last year we were very fortunate in securing some stock seed of this variety, and succeeded in raising a magnificent crop by the originator. It is the most productive, bears the largest ears of any field Corn that we know of. The stalks grow uniformly, from twelve to fifteen feet high, with ears set rather low for such tall fodder, making it very easy for husking. It matures in about 100 days and the large, handsome ears vary from sixteen to twenty rows each, measuring ten to thirteen inches in length, the majority of them having eighteen rows of deep, broad grains of a rich golden yellow color. It has a red cob, thus denoting its healthy character. The cobs are rather small for such mammoth ears, being only $1\frac{1}{4}$ inches thick. The six points of merit of this magnificent, new field Corn are:

First.—It being an extremely heavy cropper.

Second.—Maturing in 100 days.

Third.—Its evenness in maturing, the ears all being about the same length, and a large proportion having two fully developed ears to each stalk.

Fourth.—It can be used for a silo corn, as the fodder grows very strong, which gives it a double advantage over ordinary field Corn.

Fifth.—It is one of the best yielders that we know of, producing from 125 to 150 bushels to the acre on fair soil.

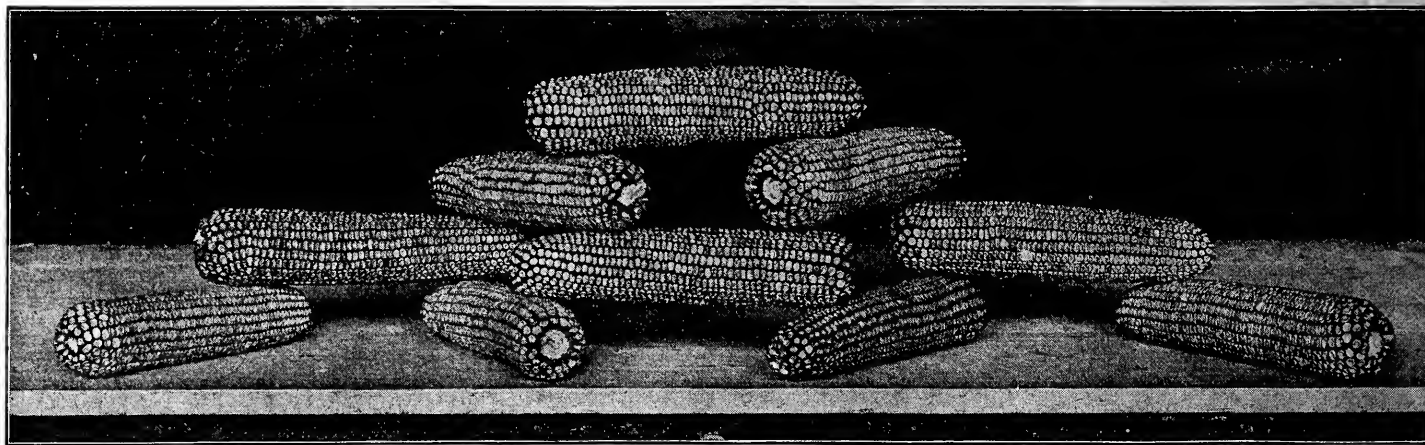
Sixth.—For Seed Corn, it will sell on sight and farmers will make more money from this Corn than any we know of.

The illustrations on this page are exact reproductions from photographs of our field growing for seed, and als an average ear.

This Corn may be ground almost as soon as husked, as it dries rapidly.

This year we offer Holmes' Liberty Bond at the following prices: Per pkt. 10 cts., lb. 25 cts., by mail, postpaid. Per pk. \$1.35, $\frac{1}{2}$ bu. \$2.50, bu. \$4.75, 2 bus. sack \$9.00, 10 bushel and over at \$4.25 per bushel, sacks extra, holding 2 bu. 75c each.

OUR CROP IS LIMITED AND WE WOULD ADVISE ORDERING EARLY.



Holmes' Emperor Dent

HOLMES' EMPEROR DENT

DECIDEDLY THE LARGEST AND BEST FIELD CORN IN CULTIVATION. ABSOLUTELY DROUGHTPROOF
PENNSYLVANIA GROWN

Holmes' Emperor Dent, grown in Dauphin County, is the most productive of any field Corn that we know of. The stalks grow uniformly, from 10 to 12 feet high, with ears set rather low for such tall fodder, making it very easy for husking. It matures in about 90 days, and the large, handsome ears vary from 16 to 20 rows each, measuring 10 to 12 inches in length, the majority of them having 18 rows of deep, broad grains of a rich golden yellow color. It has a red cob, thus denoting its healthy character. The six points of merit of this magnificent new field Corn are: (1) It being an extremely heavy cropper. (2) Maturing in 90 days. (3) Its evenness in maturing, the ears all being about the same length, and a large proportion having two fully developed ears to each stalk. (4) It can be used for a silo corn, as the fodder grows very strong, which gives it a double advantage over ordinary field Corn. (5) It is one of the best yielders that we know of, producing from 125 to 150 bushels to the acre on fair soil. (6) For seed Corn, it will sell on sight, and farmers will make more money from this Corn than any we know of.

The illustration on this page is an exact reproduction from photograph of average ears. This Corn may be ground almost as soon as husked, as it dries very rapidly. This year we offer Holmes' Emperor Dent at the following prices: Pkt. 10 cts., 1b. 25 cts., by mail, postpaid; peck \$1.25, $\frac{1}{2}$ bushel \$2.50, bushel, \$4.50, 2-bushel sack, \$8.50, 10 bushels and over at \$3.85 per bushel, sacks included.

Cuban Giant Mammoth Ensilage.

\$1.25, bushel, \$4.75.

Red Cob Ensilage.

the silo. Peck, \$1.25, bushel, \$4.75.

Sugar Corn for Green Fodder.

Has produced 70 tons of fodder to the acre and is one of the very best and most popular for Ensilage. The fodder is sweet, tender, juicy; grows 13 to 14 feet in height. Peck

A new variety of extreme merit. We highly recommend it as the heaviest cropping variety, producing from 50 to 75 tons per acre. The fodder is tender, sweet and juicy and grows 12 to 14 feet high. Unexcelled for

Best for early fall green feed. Very profitable for cattle. A favorite with dairy farmers, also excellent for soiling. Peck \$1.25, bushel, \$5.00.

New Keystone Mammoth Pride Corn

Absolutely droughtproof. The most productive; bears largest ears and is absolutely droughtproof. The stalks grow uniformly about 10 to 12 feet high, with ears set rather low for such tall fodder, making it very easy for husking. It matures in about 115 days, and the large, handsome ears vary from 10 to 18 rows each, the most of them having 16 rows of deep grains, which are of a rich golden yellow color. It has a red cob, thus denoting its healthy character; cobs are remarkably small for such mammoth ears, being only $1\frac{1}{4}$ inches thick. This grand new Corn can only be obtained from us. By express or freight, at purchaser's expense, peck \$1.25, $\frac{1}{2}$ bushel \$2.50, bushel \$4.50.

IOWA GOLD MINE

Ears of good size and symmetrical; a bright golden yellow; grain very deep; cob small, drying out quickly when ripe. From 70 pounds of ears, 60 to 62 pounds of shelled corn may be obtained. Early, and of the highest market value. Peck \$1.00, bushel \$3.00, bag of two bushels \$5.75.

PRIDE OF THE NORTH. Used in northern latitudes. Stalks short-jointed and leafy. Kernels are very deep, closely set on the ear. Qt. 25 cts., peck \$1.25, bushel \$4.50.

VIRGINIA EUREKA ENSILAGE CORN

Has a record of 70 tons and 800 pounds of Corn grown on one acre. Enough to feed seven head of cattle for one year and enough left over for 261 days, feeding at the rate of 50 pounds per day.

This Corn was originated in Virginia about 25 years ago and has been grown on the same farms there for us ever since. It is the result of careful selection for many years from the old southern prolific Corn which often has five to eight ears on a stalk. This selection was made with the view of getting a larger ear and more foliage. It has been grown entirely away from other kinds and it is a distinct variety and a great improvement over any other Southern White Dent Corn.

Corn has been offered by others under the name of Eureka, but it is simply the common Southern White that they are offering and at the time of cutting there will be as much difference as there is between Crosby and Stowell's Evergreen. Eureka is a Smooth White Dent Corn with short kernels, while many of the southern white varieties have the horse tooth kernels. Be sure and get the genuine.

WHEN IS THE PROPER TIME TO CUT ENSILAGE?

As Corn is simply overgrown grass and everyone knows that grass should be cut when it is in the blossom, then Corn should be cut when it is in that same condition. Don't look for the ear; simply watch the tassel. It is better to cut Corn too early than too late. Mature ears should never be put in the silo. The grain bin is a much better place. The silo was not invented as a substitute.

Eureka Corn has a record of 70 tons and 800 pounds of green corn from one acre. This record was made by weighing one square rod taken from an acre which was first divided into four equal parts, and the weighing was done by three reliable disinterested parties. We have several estimates of even more than this and we believe that this record can be broken. Price, $\frac{1}{2}$ peck 75 cts., peck \$1.50, $\frac{1}{2}$ bushel \$2.75, bushel \$5.25, 2-bushel bag \$10.00, 10 bushels and over \$4.85 per bushel.

NOTE—Our stock is the genuine, being grown by one of the best growers in Virginia.



Seed Oats

There is Big Money
in Oats

IF YOU GROW THE RIGHT
KIND

The New Alberta Oats

In almost every line of agriculture today improvements have been made—better stock, better corn, better cotton, better alfalfa, better fruits and vegetables

of all kinds, all of which has been done by breeding. But it seems that oats, one of the most important crops and easiest to grow, has been left out until the last two or three years.

Of all the crops that grow on the great American continent nothing is so easily grown and as reasonably sure as a good crop of oats, if the right kind of methods are pursued. You can't raise good oats from poor, inbred seed any more than you can raise good cattle or pigs or good corn, unless you select the best. It is an absolute impossibility.

For many years we have made the growing of Seed Oats a specialty, importing our seed stock for our own use, from which we grew much of our seed, but in the progress of time we find many progressive farmers who want the best the world can produce, and as good as any seedsman or seedhouse in America uses for growing their own stock.

THE NEW ALBERTA

The cut bordering this page is a fine illustration of the head of the New Alberta Oats, except these were photographed below the average size and only shows the head $\frac{1}{8}$ natural size.

These new Oats were introduced into the Alberta country only four years ago by emigrants who took their seed from Iowa, and were known at that time as the **Regenerated Swedish Select Oats**, but owing to the great success and results made and given they soon thereafter took the name of **New Alberta**, often yielding 125 to 140 bushels per acre and weighing out from 45 to as high as 52 pounds per measured bushel. Since their first introduction into Alberta they have been continually grown on new, clean virgin land, free from weeds, located in the **greatest Oats producing country in the world**, which produces these vigorous hardy Oats—Seed Oats that is full of life and vigor that will easily make you a yield of **three times as much** as common ordinary varieties.

The New Alberta is of strong, stiff straw; stands up well on rich ground, as near rustproof as any Oats in existence; ripens medium early, two or three weeks ahead of late varieties, and is the all-round best variety and quality of Oats to be found anywhere.

Price, at purchaser's expense, by express or freight, peck 75 cts., $\frac{1}{2}$ bushel \$1.40, 1 bushel \$2.75, 2 to 4 bushels \$2.60, 10 bushels and over \$2.50.

NOTE—Our Oats are direct from the Alberta country. You can rely on securing the genuine seed if purchased from us.

Long's Improved White Tartar

Direct from the new importation. Outyields nearly all others and is the very best for all-round purposes. Earliest variety grown, with long straw, usually averaging 4 to 5 feet, and rustproof. Succeeds well on all soils. Golden-yellow color. Grains white with golden cast. Withstands stormy weather without lodging or falling off of grains. A measured bushel weighs 42 pounds. **Lb. 25 cts., 3 lbs. 65 cts., postpaid.** By freight or express, peck 75 cts., bushel of 32 lbs. \$2.50, 2 bushels \$2.40, 10 bushels \$2.30 per bushel, 20 bushels and over \$2.25 per bushel. Bags holding 2 $\frac{1}{2}$ bushels 75 cts. each, extra.

Long's Storm King

Mr. Isaac Long, a successful, scientific and widely known farmer, imported this remarkable Oats from Tartary. We have named it Long's Storm King because it stood up completely and perfectly during very heavy storms the month preceding oats harvest. It was then 4 to 6 feet tall. It yielded over 100 bushels to the acre, and weighed 45 pounds to the measured bushel—clean and bright, no smut. There were 190 to 250 grains to each head. Greatest drought-resister known, and Mr. Long's crop shows it is the greatest yielder ever brought here. The illustration shows Mr. Long holding a small sheaf. Note the wonderful length of the straw and heaviness of head. **Lb. 35 cts., 3 lbs. 75 cts., postpaid.**

Long's Storm King Oats

By express or freight, peck 75 cts., bushel of 32 lbs. \$2.75, 2-bushel sack \$5.00, 10 to 20 bushels \$2.40 per bushel, 21 to 50 bushels \$2.25 per bushel. Bags holding 2 $\frac{1}{2}$ bushels 25 cts. each, extra.

Remember, we have the originator's stock and offer this from the original importation. Send for sample.

Mrs. J. M. IRVINE, Loysville, Pa., writes: "We have been selecting seed from your seed book for several years and always were well pleased with the seed bought of you and found them the cheapest in the end, because they always grow and prove to be just as you represent them."

BENJ. G. WENGER, Murrell, Pa., writes: "Enclosed find our order for seeds. We have ordered seeds from you for several years and have always found them very satisfactory."

Holmes' Superior Recleaned Clover Seeds



Alfalfa, or Lucerne

Note. The prices of some varieties of Clover, Grass and Field Seeds may change as the season advances. Prices now given are those prevailing when this catalog was published. It will be to advantage of intending purchasers to write for samples and special prices before ordering in large quantities.

Alfalfa (*Medicago sativa*), also known as Lucerne and Chili Clover. One of the most valuable forage or pasture grasses, being very nutritious, both as a green feed and as hay. It requires moist land or frequent irrigation and often bears from five to six crops of hay a year. It does well in almost any climate and improves any soil that is sown with it. A good stand of it will choke out and practically kill wild morning-glory. Prepare the land by deep plowing and thorough harrowing, and sow 17 to 25 pounds per acre broadcast and harrow it. Alfalfa seed is graded by the amount of dead matter and the percentage of weed seeds it contains. The very worst weed is dodder, which infests seed grown on low lands. Dodder is a yellow parasitic plant with abundant stems but no leaves; the roots live on the alfalfa plant and quickly kill it. A little thought will show that Alfalfa which contains no dodder is worth several cents a pound more than Alfalfa which contains this weed. Our Alfalfa is grown out of the state on high land, and is dodder-free. **Lb. 40 cts., 3 lbs \$1.00, postpaid. Price per bushel on application.**

RED MEDIUM CLOVER. This is the common Red Clover so largely grown throughout the country. **Lb. 50 cts., 3 lbs. \$1.45, postpaid. Price per bushel on application.**

MAMMOTH, or PEA-VINE CLOVER. This grows much taller, with larger, leafier stalk, and large, slightly-pointed leaflets. **Lb. 50 cts., 3 lbs \$1.45, postpaid. Price per bushel on application.**

WHITE DUTCH CLOVER. The best variety for lawns; valuable in permanent pastures. **Lb. 60 cts., postpaid. Price per bushel on application.**

Alsike, or HYBRID CLOVER. The hardest of all, sometimes called Giant White Clover. It is a perennial, therefore adapted for permanent pastures or for hay crop. Never heaves or throws in the winter; thrives equally well on wet or dry soil, through extreme droughts or excessive rains; grows on clover-sick land and yields a heavy bulk of herbage where no other Clover succeeds. Its superior pasturage is much liked by cattle. Blossom-heads round; flesh-colored; sweet and fragrant; much liked by bees. Sow 10 to 20 pounds per acre in spring or fall. **Lb. 50 cts., postpaid. For larger quantities write for prices.**

Crimson, or SCARLET CLOVER. An annual variety providing large crops of green forage, or, if cut while in bloom, will make excellent hay. As a green manuring crop for grain, fruit or trucking crops, it gives the very best results, while for improving poor land it has few equals. It succeeds on every kind of soil, standing southern suns and northern winters; and is now grown largely in Delaware, Maryland, New Jersey, Pennsylvania, Virginia, and has succeeded in every state where tried. Sow 15 pounds to the acre from July to September. **Lb. 40 cts., 3 lbs. \$1.00, postpaid. For larger quantities write for prices.**

Holmes' Superior Recleaned Grass Seed

All prices on Grasses subject to change. Write for special quotations

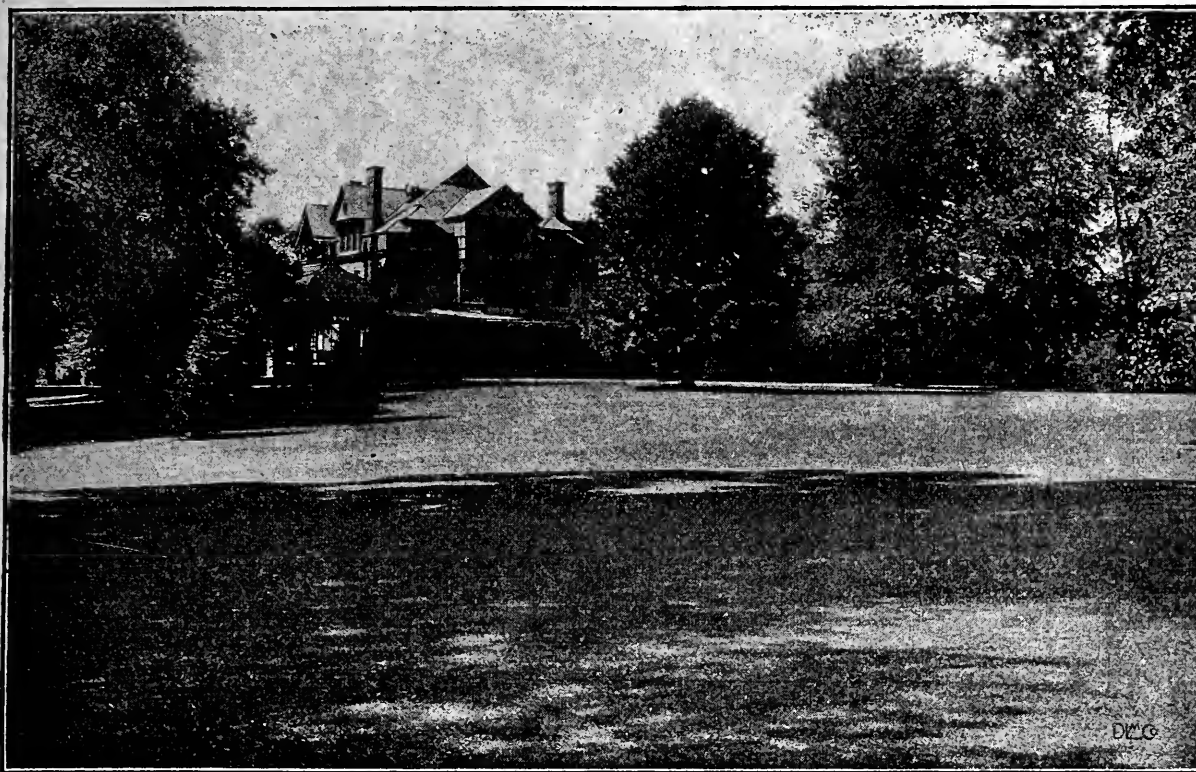
	Es- Bu.	By Freight or Express Lb.	100 lbs.
AWNLESS BROME GRASS (<i>Bromus inermis</i>). Will stand long droughts and produce heavy crops in dry sections. Especially desired for permanent pasturage. (14 lbs. per bu.)			
CANADA BLUE GRASS (<i>Poa compressa</i>). Useful for sowing on hard clay and poor soils. (14 lbs. per bu.)			
CREeping BENT GRASS (<i>Agrostis stolonifera</i>). Excellent for lawns; thrives on moist lands. (Bu. 20 lbs.)			
CRESTED DOG'S TAIL (<i>Cynosurus cristatus</i>). An excellent grass for hard, dry soils; valuable for pastures and lawns. (21 lbs. per bu.)			
ENGLISH RYE GRASS (<i>Lolium perenne</i>). Nutritious, vigorous; for meadow and pasture. (Bu. 24 lbs.)			
HARD FESCUE (<i>Festuca duriuscula</i>). One of the most desirable dwarf grasses, excellent for dry soils and shady places. (12 lbs. per bu.)			
ITALIAN RYE GRASS (<i>Lolium Italicum</i>). A valuable European variety, adapted to any climate and produces large and nutritive crops. (18 lbs. per bu.)			
KENTUCKY BLUE GRASS (<i>Poa pratensis</i>). Well known and extensively grown in all parts of the country; used for lawns. (14 lbs. per bu.)			
MEADOW FESCUE (<i>Festuca pratensis</i>). Fine permanent pasture; heavy and nutritious. (Bu. 22 lbs.)			
MEADOW FOXTAIL (<i>Alopecurus pratensis</i>). One of the earliest and best pasture grasses; grows rapidly when cut or eaten down by stock. (7 lbs. per bu.)			
ORCHARD GRASS (<i>Dactylis glomerata</i>). A valuable pasture grass, adapted for growing in shady, moist places under trees, etc. (14 lbs. per bu.)			
PERENNIAL RYE (<i>Lolium perenne</i>). Nutritious; for meadow or permanent pasture. (Bu. 20 lbs.)			
RED, or CREEPING FESCUE (<i>Festuca rubra</i>). Valuable for lawns. (14 lbs. per bu.)			
RED TOP GRASS (<i>Agrostis vulgaris</i>). Valuable for either pastures or lawns. (14 lbs. per bu.)			
RHODE ISLAND BENT GRASS (<i>Agrostis canina</i>). Valuable for either pastures or lawns. (14 lbs. per bu.)			
ROUGH-STALK MEADOW GRASS (<i>Poa trivialis</i>). Excellent for pastures and meadows, particularly on damp soils. As a lawn grass it forms a fine turf and does well in shaded locations. Sow 20 lbs. per acre.			
SHEEP'S FESCUE (<i>Festuca ovina</i>). Excellent for sheep pasture; 6 to 10 inches high. (Bu. 12 lbs.)			
SWEET VERNAL, TRUE PERENNIAL (<i>Anthoxanthum odoratum</i>). It should be sown in connection with other grasses for pastures or lawns. (10 lbs. per bu.)			
TALL MEADOW OATS GRASS (<i>Avena elatior</i>). This is a valuable variety for pastures. (10 lbs. per bu.)			
TALL FESCUE (<i>Festuca elatior</i>). Early, nutritive and productive in permanent pastures on wet or clay soils. On moist lands yields a large amount of good hay. Height 3 to 4 feet. Not suitable for lawns. Sow 40 lbs. per acre. (14 lbs. per bu.)			
TIMOTHY (<i>Phleum pratense</i>). A variety producing a profitable hay crop in almost any soil. One-half bushel per acre. Our seed is free from weed seeds and of high germinating power. (45 lbs. per bu.)			
VARIOUS-LEAVED FESCUE (<i>Festuca heterophylla</i>). A perennial grass suitable for cold, moist soils in which it will yield heavily. Valuable in permanent meadows, either for mowing or grazing. Height 2 to 3 feet. As a lawn grass it is valuable, especially for shaded places. Sow 40 lbs. per acre. (Bu. 12 lbs.)			
WOOD MEADOW GRASS (<i>Poa nemoralis</i>). A very productive grass, adapted for lawns or pastures. Thrives well under trees. (14 lbs. per bu.)			



Timothy

Prices on Application

MRS. D. S. KREPS, Canalon, Mo., writes: "I have planted your seeds for about 12 years and have had good results all the time. I am well pleased with your promptness in filling orders."



This Lawn was sown with Holmes' Capitol Park Lawn Grass Seed

Choice Lawn Grass Seed Mixtures

A Few Words Here. The seedsman is always censured if weeds come up in the lawn. We invariably purchase the finest grasses we can obtain, either here or abroad. Weed seeds are carried by the thousands by birds and by the manure you put on the soil. Even if you plant nothing, weeds will come. We know of soil which was excavated at a depth of 70 feet and inside one month was covered with a magnificent growth of numerous weeds.

MAKING AND CARING FOR THE LAWN

Preparing and Manuring the Ground. In making a new lawn, all grading, tree planting and laying out of walks and drives should be done first. The ground should be thoroughly dug or plowed to a depth of 10 or 12 inches, after which some good fertilizer—pure ground bone or pulverized sheep manure is especially recommended—should be applied at the rate of 600 to 800 pounds per acre. The ground should be fine and perfectly smooth and even.

Sowing the Seed, Rolling and Weeding. The best time for sowing grass seed is in spring, from February to May, or if in fall, from September to November, using on small plots at the rate of one quart of seed to each 15 square feet, and for large lawns, golf-links, tennis, cricket and croquet-grounds, use at the rate of 80 pounds of seed per acre, and for putting-greens 100 pounds of seed per acre. After the seed has been sown broadcast the ground should be thoroughly rolled; or, on small places, beaten with the back of a spade to "firm" the surface and press the seed into the soil. Annual weeds, natural to the soil, will appear before the young grass becomes established; none of these should be allowed to ripen their seeds.

Renovating Old Lawns. This should be done either in the spring or early fall, by raking the soil where bare spots occur, and sowing seed, taking care that it is not covered too deep, and also to roll or pat the surface smooth with a shovel.

Cutting, Weeding and Watering. When the grass has attained a height of 4 inches it should be mown, care being exercised not to cut it too close. Frequent rolling and mowing will make the turf close and compact, strengthen the grass and render the lawn smooth and attractive. Lawns require frequent watering and feeding to keep up their vigor. We recommend Holmes' Lawn Dressing as the best fertilizer for nourishing lawns.

Top-Dressing in Fall. A coating of wood-ashes and ground bone in the late fall is very beneficial and gives the lawn a good start in the spring. It is also advisable to roll the lawn after the last cutting in the fall; it prevents much of the young growth from freezing out at the roots.

THE AMERICAN LAWN BEAUTIFUL. A booklet brimful of valuable information free for the asking.

Holmes' Capitol Park Lawn Grass Seed

BOTH FOR FORMING NEW LAWNS AND RENEWING OLD LAWNS. THE KIND THAT GIVES LASTING RESULTS. FOUR WEEKS FROM SOWING YOU CAN USE YOUR MOWER

A good lawn once made will last for years if the right material is used and the work properly done. Our Capitol Park Lawn Seed has been thoroughly tested in all parts of the country and gives perfect satisfaction. Its use will insure a beautiful, green, smooth, velvety sward, which is often ready for cutting in from four to six weeks. Composed of fancy, re-cleaned domestic and foreign grasses, best adapted for a perfect and enduring lawn. No more sodding once Capitol Park Lawn Seed is used; for, if directions are followed, you are sure of good results. Lawn seed can be sown at almost any time, from early spring to late in the fall. Qt. 30 cts., 2 qts. 55 cts. (add 5 cts. per quart extra if sent by mail). Seed in bulk, by freight or express, peck \$1.50, bushel of 20 lbs. \$5.00.

HARRY W. MILLER, Harrisburg, Pa., writes: "It affords me a great deal of pleasure to express the satisfaction I have experienced in the sowing, on new and heavily weeded ground, of your Capitol Park Lawn Grass Seed Mixture. The grass was above the surface of the ground four days after it had been sowed, and today there is a thick, velvety verdure which is the admiration of the neighborhood. I have never seen its equal anywhere. This goes to prove that seed, if properly sown according to your booklet, The American Lawn Beautiful, which you advised me to read, will give results; and the beauty of it all is no weeds have made their appearance."

HOLMES' TERRACE MIXTURES

A mixture of grasses best adapted for sloping ground and terraces. Has deep, spreading roots that hold embankments and cover terraces with a beautiful green turf. By freight or express, qt. 30 cts., peck \$1.50, bushel of 20 lbs. \$5.

Holmes' Shady Nook Lawn Mixture

The beauty of many lawns today is marred by the unsightly, bare spots under trees and shrubbery and close to walks, due to all-day shade. Unfortunately the regular Lawn Grass Seed will not thrive well in shady places, but we have, by long experience in the study of grasses and their growing natures, succeeded in making a special mixture that will produce a velvety green sod in the very shadiest nooks and corners. The special grasses that are used in this mixture are mostly imported and high-priced, and we can recommend this variety to our most critical trade. The grasses are all fancy re-cleaned and we make the prices as low as possible consistent with the quality offered. Ground that is densely shaded is usually covered with moss and clumps of coarse grasses, which should be removed and the ground covered with slaked lime before sowing our special mixture. Qt. 35 cts., postpaid. By freight or express, qt. 30 cts., 4 qts. \$1, peck \$1.85, bushel of 20 lbs. \$7.00

V. GRANT FORRER, Supt. Harrisburg Park Commission, writes: "I desire to say that the grass seed which you furnished of your Shady Nook Mixture for the shady places on Front Street under the trees speaks for itself. The results obtained were more than satisfactory, and I can unhesitatingly recommend your seed, not only the Shady Nook, but also the grass seed you furnished for golf-course and lawns, as being thoroughly reliable."

The above photograph taken on Front Street speaks for itself. The seed was sown early in spring, and on the date the photograph was taken, May 28, there was a beautiful sod.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE



Holmes' Shady Nook Mixture

Holmes' Golf-Links Mixture

FOR FAIR-GREENS AND PUTTING GREENS

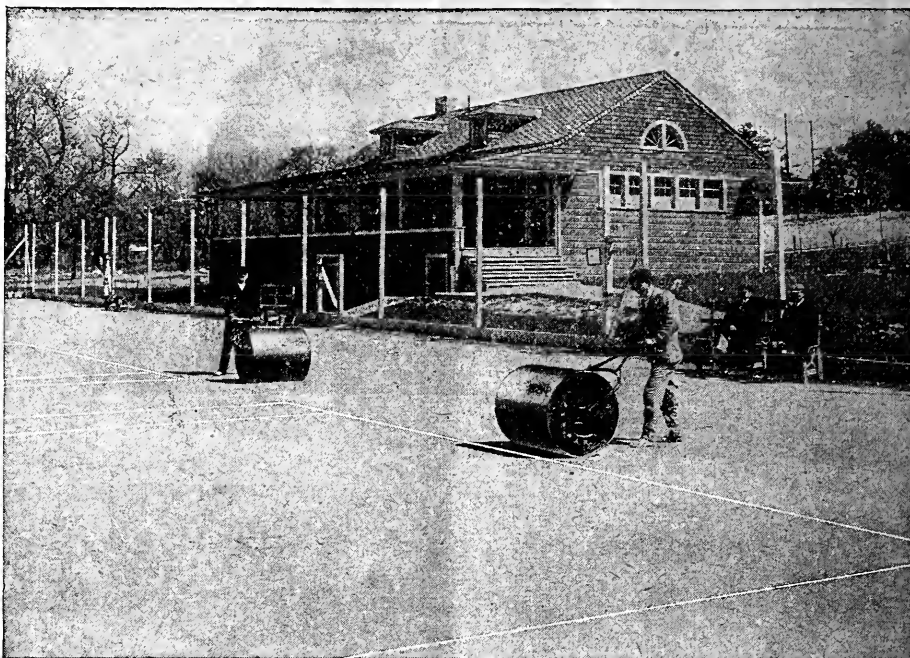
For some years past we have made up a special mixture of Grasses adapted specially for golf courses. This mixture is composed of Grasses that produce in a very short time a permanent, low-growing, tough green sward of beautiful appearance. By the use of our famous mixtures for fair greens and putting greens, a permanent turf can be produced in a very short time.

Holmes' Fair Greens Mixture. Qt. 20 cts., 2 qts. 35 cts., 4 qts. 50 cts., peck 85 cts., bushel of 15 lbs. \$3.25, 5 bushels \$15, 10 bushels \$27.50, 25 bushels \$65.

Holmes' Putting Green Mixture. Qt. 30 cts., 4 qts. 90 cts., peck \$1.50, bushel of 20 lbs. \$6, 5 bushels \$28.75, 10 bushels \$55.

The Fair Green Mixture you supplied to the Colonial Country Club for use on the golf course has answered the purpose exactly. This seed was sown from April 27 to 30. On all parts of the grounds where soil conditions, etc., were good it came up beautifully and in six weeks' time has made a fine sod. On hard, shaly knolls, extreme slopes and ground subject to heavy washes, of course no sod could be expected for years, but even on those spots we have got a foundation that will hold next seeding. With light seeding fall or spring we shall have a fine sod next spring.

As regards the lawn in front of clubhouse, seeded October, 1911, it shows up beautifully and certainly speaks well for Holmes' Capitol Park Mixture—STEWART MCEWAN, Professional Greenkeeper.



Holmes' "Tough Sod" Grass Mixture

FOR TENNIS-COURTS, CROQUET-GROUNDS, BOWLING-GREENS, BALL-PARKS, ETC.

It quickly forms an indestructible turf, smooth, firm, elastic, standing wear and tear of outdoor games. Under congenial conditions it will be ready for mowing four weeks from sowing, and in six weeks ready for playing.

Holmes' "Tough Sod" Grass Seed is a blend of Grasses especially suited for the making of Grass tennis courts, croquet grounds, bowling greens, etc. The turf required for outdoor sports must be closely interwoven, firm, elastic, smooth, and durable to stand to wear and tear. These requirements are met in Holmes' "Tough Sod" Mixture, which is composed of native and acclimated foreign fine-leaved, fibrous, deep-rooting Grasses that spread and intermingle, the seeds of which are blended in the proper proportions to form and maintain a tough, matted sward, constantly green, even in dry weather. These varieties of Grasses, being low-growing and fine-leaved, require to be sown liberally if a playing turf is desired quickly; not less than one quart should be used for 300 square feet, or 5 bushels per acre; half that quantity will do for renovating. Price, delivered free in the United States, qt. 30 cts., 4 qts. 75 cts., peck \$1.35, bushel of 20 lbs. \$5.

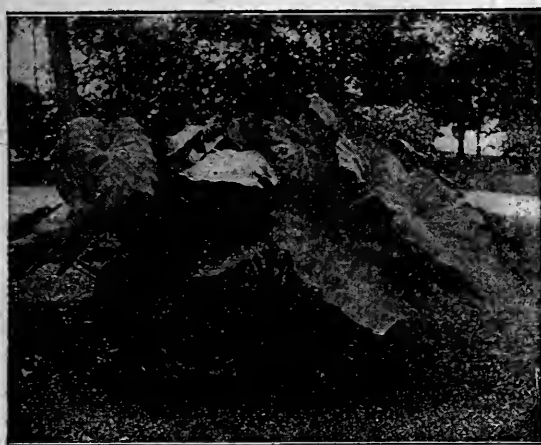


Holmes' Special Grass Mixture

FOR PERMANENT PASTURE AND HAY

Our famous mixture is becoming more generally used each season by progressive and successful farmers who desire an abundance of hay and permanent pasturage. This mixture is made up of the Grasses best calculated to afford an abundant and nutritious food supply for stock, and its formula is based upon years of successful experience. It thrives well on all soils and is not seriously affected by the different climatic conditions. Will outyield timothy and will thrive in soils where the latter fails. Not only does it produce an abundance of hay, but will give an excellent pasturage after it has been cut. In many cases it will produce two crops a season, whereas from timothy alone you can cut but one. If your fields are old and worn out it will pay you to plow up and seed again, when you will soon be cutting heavy crops from Holmes' Permanent Pasture Mixture. Sow 3 to 4 bushels to the acre, or half this amount in established pasture. In ordering, state whether for light or heavy soil. Should you desire a special mixture for renewing old pasture, etc., write us and we will give information. Lb. 25 cts., by mail 35 cts.; bushel of 15 lbs. \$4, 5 bushels \$17.50, 10 bushels \$32, 25 bushels \$75, 50 bushels \$140.

Summer-Flowering Bulbs and Roots



Caladium Esculentum (Elephant's Ear)

Begonias, Tuberous-Rooted

There is hardly a single garden in which there are not semi- or entirely shaded spots where the average flower will not grow. Such places are ideal for this flower; yet it will make a dazzling show in the open. Enormous wax-like flowers appear uninterruptedly from June till frost.



Pearl Tuberose

	SINGLE			DOUBLE		
	Each	Doz.	100	Each	Doz.	100
Crimson.....	15	\$1 50	\$6 00	25	\$2 50	\$10 00
Orange.....	15	1 50	6 00	25	2 50	10 00
Pink.....	15	1 50	6 00	25	2 50	10 00
Scarlet.....	15	1 50	6 00	25	2 50	10 00
White.....	15	1 50	6 00	25	2 50	10 00
Yellow.....	15	1 50	6 00	25	2 50	10 00
Mixed.....	15	1 00	5 00	25	2 20	8 50

Add 10 cts. per dozen for mailing

Single Bulbs mailed free

Peony Specialities

The leading and best varieties from the best originators, guaranteed true to name. Blooming size roots, 3 to 5 eyes.

	Each	Doz.
Albatre , white, lightly shaded ivory, carmine lines at the center, extra.....	\$1 00	\$ 8 00
Alexandre Dumas , lively brilliant pink, interspersed with white, salmon and chamois. Very pretty and one of the earliest of the Chinensis sorts to bloom.....	50	4 00
Baron J. Rothschild , Outside petals rose, center salmon, fragrant.....	50	4 00
Bernard de Palissy , Fleishy white with glossy reflex..	1 00	8 00
Cameron , Very large imbricated blooms, deep purplish red and wall-flowered colored, shaded with velvety hues. Late.....	1 00	8 00
Canari , Creamy white, tinted yellow.....	50	4 00
Couronne D'Or , Immense, very full imbricated ball-shaped bloom; color snowy white with yellowish reflex with light carmine edges on a few center petals.....	1 00	8 00
Duchesse de Nemours , Very fine cup-shaped bloom; sulphur-white with greenish reflex, fading to pure white. Pretty in bud.....	50	4 00
Duc de Wellington , Very large, well-formed sulphur-white bloom; habit ideal; stems very firm and long; strong grower, very fragrant.....	50	4 00
Edulis Superba , Pink, slightly violaceous, intermixed with narrow whitish petals. Early.....	50	4 00
Eugene Verdier , Salmon-pink, changing to clear pink, nearly white; very fine plant. Midseason.....	1 50
Felix Crousse , Large full ball-shaped bloom; brilliant red with ruby-flamed center; exceptionally bright, effective and desirable. Late midseason.....	75	6 00
Festiva Maxima , Enormous, very full shell-formed bloom; color snow-white shading to delicate creamy white at base of petals with an occasional clear purple spot on edges of center petals; very fragrant. Early..	60	5 00
Gloire de Chas. Gombault , Large bloom, full deep fleshy pink collar, center petals clear fleshy salmon color shaded apricot, tuft of broad petals, pink striped with carmine; multi-color variety; color of a great freshness. Late midseason.....	1 00	8 00
Mme. Bucquet , Very pretty, perfectly formed bloom; color darkest velvety amaranth, almost black. Magnificent variety.....	1 00	8 00
Mme. Crousse , Very large, full, well-made flower; color snow-white, center petals edged with bright carmine. One of the finest. Midseason.....	75	6 00
Mme. de Verneville , Compact, full imbricated blooms; very broad guards sulphur-white, center delicate rosy white with an accidental touch of carmine.....	75	6 00

Mme. Ducel , Perfectly formed, globular bloom of dwarf, vigorous habit; very free; color bright silvery pink, tinted and marked with salmon and silvery reflex. Midseason.....	50	4 00
Marie Lemoine , Enormous sulphur-white bloom shaded with pink and chamois; strong stems of medium height. Magnificent variety. Very late bloomer,	1 25	10 00
M. Jules Elie , Immense globular, very full, imbricated flower of very strong long stems; petalage broad and overlapping, forming the most perfect peony in existence; color, the finest glossy flesh-pink shading to deeper rose at the base, the entire bloom covered with a silvery reflex. Midseason.....	1 00	8 00
Margaret Gerard , Large, compact, semi-rose, developing into a crown with stamens. Very pale hydrangea-pink fading to nearly white, central petal minutely flecked dark carmine. Strong, medium height, free bloomer. Late, extra.....	1 25	10 00
Marechal Vaillant , Very large, compact, globular, rose type. Dark mauve-pink. Tall, heavy, coarse stem, barely supporting the heavy bloom. Late, good variety.....	75	6 00
Modesta Guerin , Large, compact, typical bomb. Uniform light solferino-red. Fragrant. Medium height, extra strong. Free bloomer. Midseason. Extra good variety.....	75	6 00
Princess Beatrice , Pink guard petals, a few salmon-yellow petals with a large rose tuft in the center. A very distinct and handsome variety. Free bloomer.:	1 00	8 00
Solfatare , Large, compact, sulphur-white, crown type, with milk-white guard petals; some blooms are typical bombs when they first develop. Midseason.....	75	6 00
Triomphe de L'Exposition de Lille , Medium size bloom; soft flesh-pink with white reflex, very fresh coloring; compact, of erect habit. Late.....	75	6 00
Wilhelmina , Fine soft rose, shaded lavender, extra large.....	75	6 00

Caladium Esculentum

(Elephant's Ear)

As centerpieces or specimens in flowerbeds, Caladiums answer well. They also make an excellent edging for a hardy bed of grass, for ricinus and other tall-growing plants. When planted in a bed alone, a border of scarlet sage removes the one-color effect and makes a beautiful contrast. Do not plant Caladiums outdoors until after May 1, but to get them in early growth, they may be started indoors.

	Each	Doz.
Monster Bulbs	60	\$6 00
Mammoth Bulbs	40	3 75
First-Size Bulbs	20	2 00
Second-Size Bulbs	15	1 50

Single Bulbs mailed free. Add for postage to dozen prices as follows: Monster Bulbs, 15 cts., Mammoth, 10 cts., First-Size, 5 cts., Second-Size, 3 cts.

Summer-Flowering Bulbs and Roots—Continued

Holmes' Superb Gladioli



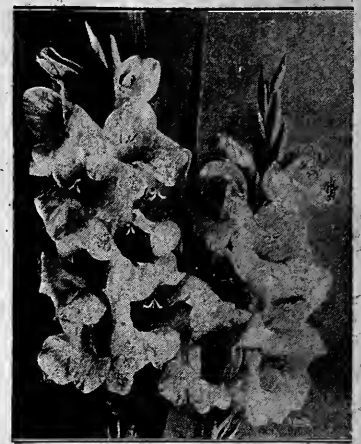
Gladiolus Augusta

The Gladiolus is the most useful of all flowers. Apart from its striking beauty and effectiveness while blooming in the garden, its practical value as a cut-flower is becoming more highly appreciated the better it becomes known.

We name below a few of the latest introductions:

	Each	Doz.
America. Soft lavender-pink.....	\$0 10	\$0 75
Augusta. Lovely, pure white with blue anthers.....	10	75
Baron Hulot. Rich, deep indigo-blue; very rare.....	10	1 00
Childsii. Finest mixed varieties. Large size; brilliant colors....	10	75
Eugene Scribe. Rose color, shaded carmine-red.....	10	1 00
George Paul. Crimson, stained yellow, spotted purple.....	15	1 25
Groff's New Hybrids, Mixed. Selected from the cream of high-quality Gladioli.....	10	75
Holmes' Superb Mixture. Every bulb is extra choice; the very largest and finest kind of flowers.....	10	75
I. S. Hendrickson. Irregular mottling of white and pink.....	15	1 25
Klondyke. Clear primrose, blotched crimson.....	10	1 00
Kunderi "Glory." Exquisitely ruffled and fluted, cream-pink, crimson stripe.....	15	1 25
May. Pure white, flaked crimson; extra strong.....	10	75
Victory. Delicate sulphur-yellow; best yellow.....	15	1 25

We can also furnish all other varieties of Gladioli upon application



Gladiolus America

Holmes' Prize Dahlias

THE CHOICEST OF THEIR RESPECTIVE CLASSES

Add 10 cts. per clump if wanted by mail

Our Dahlia roots are, in all cases, splendid, large, original specimens, often weighing 10 to 16 ounces each, and containing 6 to 8 tubers. We do not cut the roots into small pieces to save postage, but make our prices by express or freight.

DECORATIVE DAHLIAS

	Each	Doz.
Admiral Dewey. Rich purple; very free.....	20	\$2 25
Madame Van den Dael. Large; white.....	20	2 25
Jack Rose. Rich crimson; large.....	20	2 25
Clifford W. Bruton. Canary-yellow.....	20	2 25
Lyndhurst. Brilliant cardinal-red.....	20	2 25
Sylvia. Deep pink, pure white-center.....	20	2 25
Nymphaea. White suffused with pink.....	20	2 25
Maid of Kent. Cherry-red, tipped white.....	20	2 25
Mrs. Roosevelt. Beautiful light pink.....	25	2 50
Mrs. J. Gardner Cassatt. Deep rose-pink; large.....	50	5 00

CACTUS DAHLIAS

	Each	Doz.
Countess of Lonsdale. Salmon-pink and amber.....	25	\$2 50
Volker. Yellow; free-flowering.....	25	2 50
Kriemhilde. Brilliant pink.....	25	2 50
J. H. Jackson. Crimson-maroon; large.....	25	2 50
Eva. Dwarf, white; profuse bloomer.....	25	2 50
Mrs. Edw. Mawley. Soft yellow; large.....	25	2 50
Floradora. Pure garnet; splendid form.....	25	2 50

SHOW AND FANCY DAHLIAS

	Each	Doz.
Arabella. Light sulphur-yellow.....	20	\$2 25
John Walker. Elegant pure white.....	20	2 25
Red Hussar. Pure cardinal-red.....	20	2 25
Emily. White, tipped soft lilac.....	20	2 25
Admiral Schley. Rich crimson.....	20	2 25
A. D. Livoni. Clear soft pink, quilled.....	20	2 25
Dorothy Peacock. Clear soft pink.....	75	7 50
White Swan. Large; pure white.....	20	2 25
SINGLE DAHLIA. "Rebecca Mayhew." Pure white.....	25	2 50

NEW "GIANT CENTURY" DAHLIAS. Write for list and prices.

Holmes' Special Dahlia Catalog sent free for the asking

Holmes' Selected Cannas

			Price	
	Red Shades	Ft.	Ea.	Doz.
Brandywine	3½	Rich red, with bronze foliage....	15c	\$1 50
Compte de Sachs	4	Clear crimson scarlet.....	10c	1 00
Duke of Marlboro	4	Dark velvety crimson.....	10c	1 00
Fiery Cross	5	Fiery scarlet.....	50c	5 00
Wm. Saunders	4	Bright scarlet, bronze foliage....	15c	1 50
	Pink Shades			
City of Portland	4½	Deep glowing pink, good bloomer.....	20c	2 25
Eastern Beauty	4	Light salmon, bronze foliage....	10c	1 00
Maid of Orleans	4½	Mottled pink, very creamy....	15c	1 50
Morning Glow	4	Pink to rich red, bronze foliage..	15c	1 50
Wawa	3	Very beautiful soft pink.....	15c	1 50
	White Shades			
Blanche Wintzer	3½	Immense pure snow white.....	50c	5 00
Mont Blanc	3½	Almost pure white.....	20c	2 25
	Yellow Shades			
Director Holtze	3	Spotted yellow.....	10c	1 00
Golden Gate	4	Pure gold with apricot center...	10c	1 00
Jane Addams	4½	Bright buttercup yellow, buds maroon.....	10c	1 00
Juanita	4½	Golden orange, bronze foliage...	15c	1 50
Princeton	4	Intense yellow with red throat..	20c	2 25
	Variegated			
Burbank	4½	Yellow variegated.....	10c	1 00
Gladioflora	3½	Crimson carmine rose, edged gold.....	15c	1 50
	Giant Orchid Flowering			
King Humbert	4	Orange-scarlet, bronze foliage...	10c	1 00
Uncle Sam	7	Brilliant orange-scarlet.....	15c	1 50

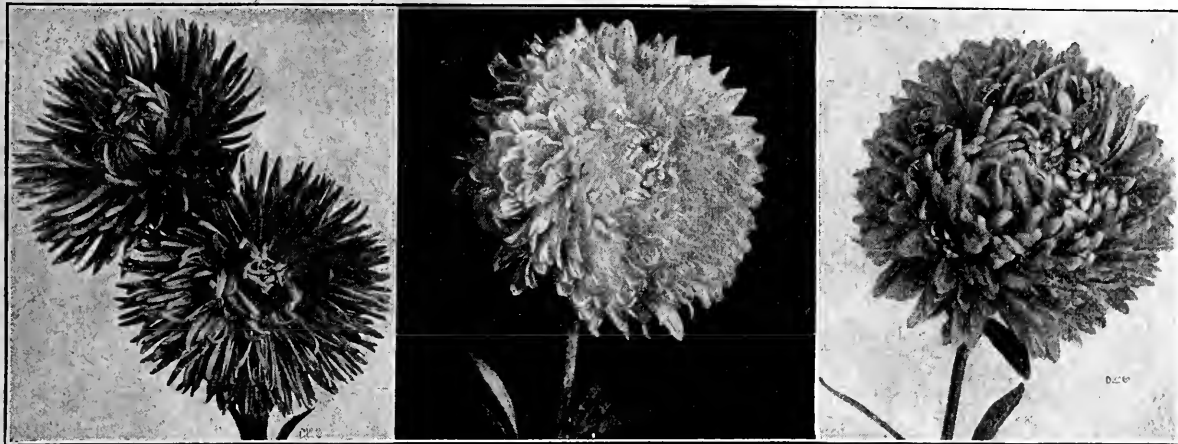
Gloxinias

A gorgeous plant, either for conservatory or garden. The plants prefer a moist soil and a shady situation. Bulbs may be started as early as January, but should not be set outdoors until after May 15. They can be easily made to bloom in the house as pot-plants. Bulbs must be lifted in the fall.

	Each	Doz.
Named Colors	By mail, postpaid 25	\$2 50
Choicest Mixed Colors	" " 15	5 10

Tuberose

TUBEROSES. Excelsior Pearl, pure white, 5 cts. each, 50 cts. per doz., \$3.50 per 100. Mammoth Bulbs, 10 cts. each, 75 cts. per doz. \$4.50 per 100. Add 15 cts. per doz. for mailing.



HOLMES' FLOWERS

Flowers are so inexpensive, and so easy to have, that they are not generally appreciated in proportion to what they do to make a place comfortable and beautiful. Even one or two sorts near a house, the small ones in beds and the larger plants standing alone, will do wonders toward lighting the place up and making it more homelike and habitable. And a larger collection properly grouped and arranged over a lawn or garden will make of almost any place a beautiful home.

We have a complete Landscape Gardening Department which is equal to any you would pay much for in laying out your grounds and telling you what plants to use and their cost. No matter how small or how big your idea of planting is, submit it for our plan.

Choice Flower Seeds

We are specialists in Flower Seeds, and extensive growers. All our seeds are new crop, tested, and of strong germination.

General Cultural Directions. The well-known annual flowers, such as Sweet Alyssum, Calliopis, Calendula, Marigold, Mignonette, Nasturtiums, etc., sow where they are intended to flower, either in lines or beds, covering not over four times their size, and firming the soil over them. For those which should be started indoors, such as Heliotrope, Celosia, Lobelia, Salvia, Vinca, Verbena, etc., the best plan is to sow in boxes, covering about one-eighth of an inch and pressing firmly; cover with a pane of glass and keep in a temperature between 60 and 70 degrees. Water carefully as needed. Transplant into boxes, an inch apart each way, or put into small pots until time to plant out. They should have an abundance of air.

Holmes' Mammoth Flowering Asters

Asters are so handsome and useful in a thousand ways that nearly everyone is familiar with them. If there are any points of their treatment that you do not understand, write us. We put out a special book devoted to these and other flowers.

		By Mail, Pkt.
	GIANT COMET. Resembles Japanese Chrysanthemum. Flowers often 6 inches across; long, wavy, twisted petals, in loose half-globe. Each plant bears 20 to 30 magnificent flowers on long stems. (177) mixed colors, (175) Rose, (176) White.....	\$0 10
150	HOLMES' LAVENDER GEM. Flower opens a delicate lavender which deepens with age, full, double and feathery like an ostrich plume....	10
141	HOLMES' NEW ASTER, IMPERIAL LAVENDER. Of true Comet type; large flowers, of the most charming shade of lavender.....	10
	TWO BEAUTIFUL ASTERS, IMPERIAL PURITY AND IMPERIAL DAYBREAK. Beautiful, bushy, branching Asters, about 2 feet high; large, double flowers, incurved petals.	
140	Imperial Daybreak (Shell-pink).....	10
142	Imperial Purity (Pure white).....	10
	GIANT OSTRICH-FEATHER. The immense double flowers suggest a curled ostrich-plume; exceptionally handsome as cut-flowers. About 2 feet. (184) Splendid Mixed, (180) White, (181) Rose, (182) Carmine, (183) Blue.....	10
	HOLMES' LATE GIANT BRANCHING. Strong, branching bushes, 2 to 4 feet high, bearing on long stems their Chrysanthemum-like flowers which average 5 inches across. At the head of Asters for cutting; best during September. (190) Pure White, (191) Pink, (192) Purple, (193) Lavender, (194) Crimson, (195) Mixed Colors.....	10
155	HOLMES' MIKADO PINK ASTER, ROCHESTER. Beautiful lavender-pink flowers, 4½ to 6 inches.....	15
156	HOLMES' MIKADO WHITE. Mid-season; large and full double; about 2 feet; petals curved and twisted.....	15
160	HOLMES' ROSE KING. Pleasing shade, very bright and brilliant. Full-double flowers as large as saucers, on two-foot stems.....	15
165	HOLMES' ROYAL PURPLE. A little better than any other in its class. Full-double on long stems; medium early.....	10
170	HOLMES' VIOLET KING. Foliage richest green; petals fantastically twisted and curled and incurved; blooms 4 to 5 inches across, soft violet lilac color.....	10
	QUEEN OF THE MARKET. Branching; flowers good size on long stems; 1½ feet. (204) Fine Mixed, (200) Indigo-blue, (201) Red, (202) Rose, (203) White.....	10



Cosmos

Lobelia

Nasturtiums

Cosmos — Giant-Flowering

Beautiful Autumn-blooming plants, furnishing thousands of beautiful flowers in pure white, pink and crimson shades. When plants are about a foot high the tops should be pinched to induce a bushy growth.

	By Mail, Pkt.
477 Klondyke Golden Yellow.....	\$0 05
478 New Giant Mixed. All colors.....	05
479 White Pond Lily. Flowers 5 inches across; white with yellow center.....	05
475 Holmes' Mammoth Perfection Mixture. We offer here the most magnificent mixture of Cosmos in the world. The flowers are giants, often 4 inches across; petals overlap, forming a perfectly round flower. Plants are one mass of feathery, emerald-green foliage.....	05
480 Dawn. New Early Dwarf Large-flowering. 4 feet. Pure white, with a tinge of rose.....	05
481 Mammoth Pink.....	05
482 Mammoth Crimson.....	05
483 Rainbow. All colors in one flower.....	05

Lobelia

Very fine plants for edging flower-beds, their brilliant shades of blue and white making a pleasing contrast to masses of reds and yellows.

	By Mail, Pkt.
186 Cardinalis Hybrids (Cardinal Flower). Rich fiery cardinal flowers; strong plants, often producing spikes 12 to 24 inches long, 1-32 oz. \$1.25	\$0 10
783 Compacta alba. White; trailing.....	10
784 Compacta. Finest mixed.....	10
785 Crystal Palace. Best dwarf blue.....	10

Nasturtiums

TALL VARIETIES

	By Mail, Postpaid			
	Pkt.	Oz.	¼ lb.	Lb.
900 Chameleon, Coquette. Fine, variously splashed and bordered.....	\$0 05	\$0 15	\$0 50	\$1 75
901 Coccineum. Scarlet.....	05	15	50	1 75
903 Dunnett's Orange (Sunlight). Clear, rich, golden yellow.....	05	15	50	1 75
904 Edouard Otto. Lilac-brown.....	05	15	50	1 75
907 Jupiter. Golden yellow; large-flowered. New.....	05	15	50	1 75
908 Pearl, Moonlight. Cream-white.....	05	15	50	1 75
909 Vesuvius. Salmon-rose; dark-leaved; fine.....	05	15	50	1 75
920 LOBBIANUM. Asa Gray. Creamy-yellow; fine.....	05	15	50	1 75
924 Firefly. Dark orange-yellow, bright scarlet spotted; dark-leaved.....	05	15	50	1 75
929 Queen of the Morning. Variegated-leaved; superb aurora-colored shades. New.....	10	25	50	1 75
930 Queen of the North. Variegated-leaved; sulphur yellow. New.....	10	25	50	1 75
932 Queen Wilhelmina. Variegated-leaved; rich, rosy, scarlet; magnificent color. New.....	10	25	50	1 75
923 Crown Prince of Prussia. Dark blood-red.....	05	15	50	1 75
925 Primrose Cream-white. Maroon-spotted; extra dark-leaved.....	05	15	50	1 75
921 Black Princess. New. Dark maroon.....	05	20	50	1 75
934 Spitfire. Fiery scarlet; fine.....	05	10	50	1 75
935 Finest Mixed. All colors.....	05	10	50	1 50



NASTURTIUMS—Continued

Tom Thumb, or Dwarf Varieties

		By Mail, Postpaid			
		Pkt.	Oz.	¼ lb.	Lb.
970	Aurora. Terra cotta; fine.....	\$0 05	\$0 25	\$0 75	\$2 25
971	Bronze Colored.	05	25	75	2 25
972	Chameleon. Cream-white, bright scarlet, spotted with scarlet edge flowers; dark-leaved; extra fine.....	05	25	75	2 25
973	Golden Blotched. Golden yellow with scarlet blotch.....	05	25	75	2 25
974	Golden Midnight. Dark purple, greatly admired by the English.....	05	25	75	2 25
975	Golden Queen. Golden yellow.....	05	25	75	2 25
976	Golden Rose. Pink.....	05	25	75	2 25

QUEEN OF TOM THUMBS.

997	Chameleon. Variegated leaves, developing bright yellow, later changing to a large number of different shades; a magnificent display of colors; very showy.....	05	25	75	2 25
1001	Sulphur Yellow. Variegated leaves.....	05	25	75	2 25
1000	Golden Yellow. Variegated leaves.....	05	25	75	2 25
966	Brilliant Crimson. White-veined variegated leaved; magnificent.....	05	25	75	2 25
995	Bright Rosy Scarlet. Variegated leaves. New.....	05	25	75	2 25
999	Deep Orange Scarlet. Variegated leaves; deep scarlet orange. New.....	05	25	75	2 25
1002	Tom Thumb. (All above varieties mixed).....	05	25	75	1 75

LOBBIANUM LILLIPUT HYBRIDS.

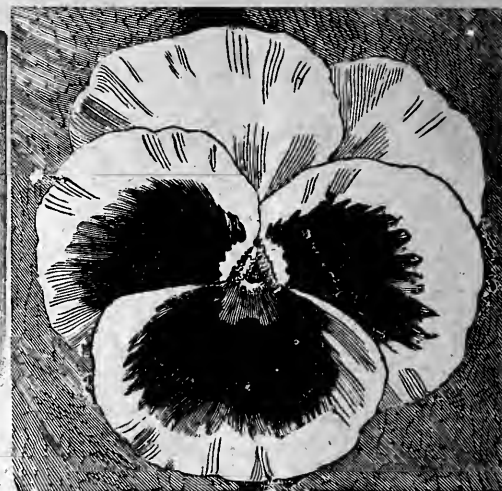
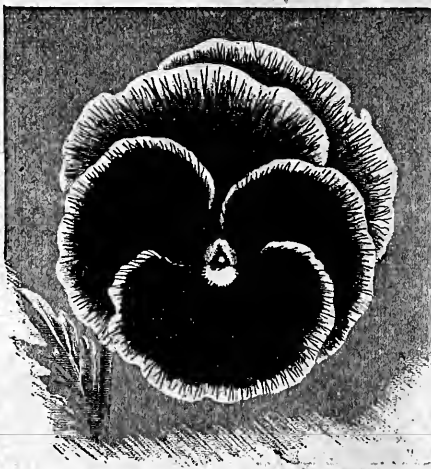
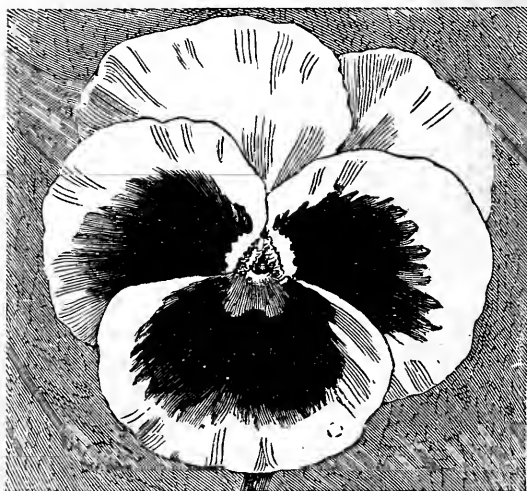
944	Queen of Holland. A wonderful display of colors from light yellow to black purple and all blotched. New.....	10	25	75	2 25
940	Fairy King. Dark-leaved; white and dark rose, mottled and veined.....	05	25	75	2 75
941	Fairy Queen. Light yellow, turning to red brown, spotted with age; very effective.....	05	25	75	2 75
942	Lady Cherry. Dark leaved, dark wine-red; a most attractive tint.....	10	25	75	2 75
946	Snow Queen. Cream-white. New.....	10	25	75	2 75
947	Finest Mixed. All colors.....	05	25	75	1 75

LOBBIANUM IVY-LEAVED.

962	Prinzessin Juliana. The magnificent, pretty, large, lacinated gold orange flowers with sharply marked velvet red brown spot are extremely effective upon the fine, marked foliage.....	10	25	75	2 75
960	Emma Alida. Dark ivy foliage; golden yellow and orange deep scarlet lacinated flower.....	10	25	75	2 75
961	Mourning Bride. Dark-leaved; velvety dark crimson. New.....	10	25	75	2 75
963	Finest Mixed. All colors.....	10	25	75	1 75

TOM THUMB SPENCER.

1013	Dark-leaved. Lady Bird.....	05	25	75	2 75
1014	Riemke Groot. The bright scarlet flowers upon the dark green foliage give this plant a most attractive appearance.....	05	25	75	2 75
1015	Finest Mixed. All colors.....	05	25	75	1 75



Pansies

We are making a specialty of Pansies. Our collection is the richest in variety and quality ever offered in this country. If you want the finest Pansies that it is possible to obtain, make your selection from the following list of seeds:

Mixtures of Giant-Flowered Pansies

	By Mail, Pkt.
1050 HOLMES' TRIUMPH OF THE GIANTS. Robust, compact growing plants; heavy foliage surmounted by enormous flowers of perfect form and great substance, on strong tall stalks. Petals overlapped and undulating. Rich and rare colors.....	\$0 15
1065 Bugnot's Giant Spotted. Color radiates on margin of petals; blotched like Cassier.....	10
1051 HOLMES' MAMMOTH FIVE-BLOTCHED. Cassier type but flowers double size, magnificent colors.....	10
1054 Mme. Perret. Great American Giant, "Red, White and Blue".....	10
1055 Odier Five-Spotted Beauties. Extraordinary beauty and perfect form.....	10
1056 Goliath Orchid (Cattleya) Flowered. Very fine.....	10
1057 Giant Trimardeau. Flowers enormous size; great variety of color.....	10
1058 Trimardeau. Giant Spotted Parisian. Extra large.....	10
1059 Cassier and Trimardeau Mixture. Superb mixture of large flowers.....	10
1052 HOLMES' GIANT MASTERPIECE. Enormous flowers, 4 inches across, daintily ruffled edges, clearly distinct markings and, in fact, a flower of recent introduction that has won volumes of praise from lovers of this particular flower. It is a master indeed of its class.....	10

Giant-Flowered Sorts

1070 Auricula-flowered Prince Bismarck. Striped light blue, rosy lilac, marbled on white ground; (1071) King of Blacks. Violet blue. Each variety.....	10
1072 Giant Cassier, Hortensia Red. New beautiful color.....	10
1073 Giant Marmorata. Marbled on purple, red and crimson ground, beautiful tinted border.....	10
1074 Odier Five-Spotted Yellow, Five-Spotted White. Beautiful.....	10
1076 Psyche. Curled five-blotched, charming velvety violet on yellowish white ground.....	10
1077 Giant Vulcan. Brilliant dark red with five black blotches; grand effect.....	15
1087 Giant Trimardeau. Separate colors. Mixed.....	10
1105 Crimson King.	10

Large-Flowered Sorts

1106 All colors mixed.....	10
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Petunias

	By Mail, Pkt.
1170 NEW FIMBRIATA PETUNIA, CANARY-BIRD. Plants average 14 inches high and are covered with beautifully fringed flowers of a distinct yellow, which deepens in the throat..... 1-64 oz. \$1.75	\$0 15
1171 Holmes' Defiance. Large-flowering. Flowers 5 inches in diameter; all colors..... 1-64 oz. \$1.25	15
1172 New Star. Perfect star in center of each flower..... 1-64 oz. \$1.00	10
1173 HOLMES' FANCY FRINGED PETUNIAS. One of the best of all Petunias. All colors mixed..... 1-64 oz. \$1.00	20
1174 Double Giant. Extra fine double..... 1000 seeds \$1.75	20
1175 Hybrida, Finest Mixed.	10



New "Orchid-Like" Sweet Peas

Spencer Types

Magnificent flowers, with superb and charming form, exquisitely colored, enormous in size and in their entirety of a type so noble and grand as to compel love and admiration for themselves from all who see them.

		By Mail, Postpaid			
		Pkt.	Oz.	½ lb.	Lb.
1406	Beatrice Spencer. White tinted with soft pink and buff on standard.....	\$0 10	\$0 35	\$1 25	\$4 00
1415	Blanche Ferry Spencer. Pink and white; two weeks earlier than others.....	10	35	1 25	4 00
1416	Countess Spencer. Bright clear pink, little deeper at edges.....	10	35	1 25	4 00
1407	George Herbert. Gigantic size; bright rose-carmine; veins deeper shade.....	10	35	1 25	4 00
1408	Helen Lewis. Standard intense crimson-orange, wings orange rose.....	10	35	1 25	4 00
1417	Mrs. Routzahn Spencer. Buff, flushed and suffused with delicate pink.....	10	35	1 25	4 00
1420	Othello Spencer. Maroon.....	10	35	1 25	4 00
1400	Primrose Spencer. Primrose, or creamy yellow, throughout standard and wings.....	10	35	1 25	4 00
1425	White Spencer. Pure white; beautifully poised, large, wavy wings.....	10	35	1 25	4 00
1430	Holmes' Superb Mixed. All varieties mixed.....	10	35	1 25	4 00

Waved Sweet Peas "Unwin" Types

1435	Frank Dolby. Light lavender.....	10	35	1 25	4 00
1440	Gladys Unwin. Lovely light pink.....	10	35	1 25	4 00
1450	Nora Unwin. Pure white, long stem.....	10	35	1 25	4 00
1445	Phyllis Unwin. Rose color.....	10	35	1 25	4 00
1455	Holmes' Mixture of Above.....	10	35	1 25	4 00

New Large Flowering Sweet Peas Grandiflora Types

All of the standard types, with large expanded or hooded standard.

1480	Agnes Eckford. Soft light pink.....	05	15	50	1 75
1510	America. Red stripes.....	05	15	50	1 75
1481	Blanche Ferry. Pink and white.....	05	15	50	1 75
1465	Coccinea. Bright rich cherry.....	05	15	50	1 75
1470	Countess of Cadogan. Light blue.....	05	15	50	1 75
1526	Dainty. White, pink edged.....	05	15	50	1 75
1527	Dorothy Eckford. Pure white flowers, extra large.....	05	15	50	1 75
1520	Duke of Westminster. Violet and purple.....	05	15	50	1 75
1511	George Gordon. Pink.....	05	15	50	1 75
1471	Helen Pierce. Bright blue, mottled on pure white.....	05	15	50	1 75
1500	Henry Eckford. Bright flaming orange.....	05	15	50	1 75
1505	Hon. Mrs. E. Kenyon. Primrose-yellow.....	05	15	50	1 75
1456	Janet Scott. Deep pink.....	05	15	50	1 75
1512	King Edward VII. Pure crimson and scarlet.....	05	15	50	1 75
1528	Lottie Eckford. Silvery white, shaded with soft lavender.....	05	15	50	1 75
1484	Lovely. Shell-pink, changing to very light rose at edges.....	05	15	50	1 75
1501	Miss Willmott. Orange.....	05	15	50	1 75
1472	Mrs. Walter Wright. Pinkish-cream tint, changing to mauve and then to reddish violet.....	05	15	50	1 75
1460	Navy Blue. Dark blue.....	05	15	50	1 75
1491	Othello. A deep maroon self-color.....	05	15	50	1 75
1529	Phenomenal. Silvery white, faintly suffused soft pink, edged purple.....	05	15	50	1 75
1513	Queen Alexandra. Scarlet.....	05	15	50	1 75
1535	Holmes' Superfine Mixture. Contains forty different varieties, large flowering sorts Unwin and Orchid varieties. It has an individuality which makes it distinct.....	10	25	75	3 50

Earliest Varieties for Christmas Forcing

1540	Burpee's Earliest White.....	10	25	75	3 50
1542	Christmas Pink.....	10	25	75	3 50
1543	Earliest of All. Rosy pink, wings creamy white.....	10	25	75	3 50
1544	Mont Blanc. Pure paper white.....	10	25	75	3 50
1555	Early Flowering, or Christmas Mixed.....	10	25	75	3 50

General List of Flowers Grown From Seeds

Flower Seeds Delivered Free by Mail

Explanation of Signs Employed in this List

The asterisk (*) designates ornamental-leaved plants. This mark (‡) prefixed indicates the climbers.

The fourth column gives the DURATION OF CHARACTER, and HARDINESS.

A represents Annual—lasting but one year.

B “ Biennial—lasting two years.

P “ Perennial—lasting three or more years.

E “ Evergreen—retains foliage the entire year.

S represents Shrubs—plants of bushy habit.

g “ greenhouse plants.

Bu “ Bulbous plants.

... designates, in every case, repetition.

As a large number of Biennials and Perennials, if sown early, flower the first season from seed, this distinguishing mark (†) is affixed to such.

The hardiness is denoted by the following abbreviations, but it should be understood that this is intended to apply to the climate of the Middle Atlantic States. Further north or south, these designations apply only in a comparative way.

h represents hardy—plants for open border. hh represents half-hardy—plants that require to be forwarded in pots or frames.

t represents tender—requiring protection.

NUMBER AND NAME	Hardiness and Duration	Color of the Flower	Height in Feet	Price per Packet	BRIEF DESCRIPTION
1 <i>Abronia umbellata</i> (Sand Verbena).....	hA	rose	trail.	\$0 05	Bears clusters of fragrant flowers. Desirable for baskets, borders or rockeries. Elegant perennial shrub; drooping flowers.
5 <i>Abutilon</i>	gS	mixed	4	10	
10 <i>Achillea</i>	hP	white	1½	10	See Yarrow.
20 <i>Acroclonium</i> ½ oz. 35c	A	mixed	1	05	Everlasting flowers.
25 <i>Adlumia</i> (Allegheny Vine).....	hB	pink	clim.	10	For covering trellises, tree stumps, etc.
30 <i>Adonis aestivalis</i> (Flos Adonis).... ½ oz. 35c	A	blue	1	05	Graceful, leathery leaves.
<i>Ageratum</i> (Floss Flower).					
32 Blue Star (New)..... 1-16 oz. \$1.00	A	blue	½	15	Literally a sheet of bloom from early summer till frost. Splendid for edgings and ribbon bedding.
33 Dwarf White multiflora.....		white		05	
36 Fine Mixed.....		mixed		05	
<i>Amaryllis formosissima</i>					See Jacobean Lily.
<i>Amethyst</i>					See Browallia.
<i>Amaranthus</i>					
61 Sunrise.....	A	carmine	2	05	Rapid grower. Striking foliage and curious flowers. Sunrise has bronzy crimson foliage, and is the most brilliant of the family. Fountain plant droops.
59 Love-Lies-Bleeding (<i>A. caudatus</i>).....		red	3	05	
60 Fountain Plant (<i>A. salicifolius</i>).....		red	2½	05	
63 Joseph's Coat (<i>A. tricolor</i>).....		var.	2½	05	
62 Fire-brand (<i>A. superbus</i>).....		red	2	05	
64 Mixed.....		mixed		05	
69 <i>Ampelopsis Veitchii</i> (Japanese Ivy).....	hP			05	
74 <i>Anchusa capensis</i>	hhP	purple	1½	05	Large branches of flowers all season. Charming double flowers. Few plants compare with this in beauty.
79 <i>Anemone</i> (Windflower) St. Brigid.....	hP	var.	2	10	
<i>Antirrhinum</i>					See Snapdragon.
<i>Aquilegia</i>					See Columbine.
<i>Arborvitae</i>					
125 <i>Aristolochia Sipho</i> (Dutchman's Pipe)....	hP	br. & y.	15-30	10	Rapid climber; heart-shaped leaves; flower resembles a pipe.
130 <i>Asclepias tuberosa</i>	hP	orange	2	10	Ornamental in Summer and Autumn.
136 <i>Asparagus Sprengeri</i> 100 seeds 20c	gP	white	trail.	05	Fine for baskets or conservatories.
135 <i>Plumosus nanus</i> 100 seeds \$1.25	gP	white	1	05	A dainty feathery Fern.
210 <i>Australian Straw Flower</i>					
<i>Helichrysum monstrosum</i>	hhA	rose	1	10	After cutting retains its rosy crimson shades; fragrant flowers.
<i>Bachelor's Button</i>					See Centaurea.
225 <i>Balloon Flower</i> (<i>Cardiospermum</i>).....	hP	bl. & wh.	10	05	Bell-shaped flowers; in constant bloom.
<i>Balsam</i> (Camellia-flowered) (Lady Slipper).					
214 Double-flowering, mixed.....	hhA	mixed	1½	10	Giant-flowering. Rose-like flowers. Brilliant colors. Fine for table decorations.
212 Scarlet.....		scarlet	1½	10	
213 Pure white.....		white	1½	10	
219 <i>Bartonia aurea</i>	hA	golden	1	10	Showiest of annuals.
233 <i>Begonia</i> Vernon grandiflora.....	gP	red	1	15	Deep red foliage.
242 Holmes' Rex.....		mixed	1	15	A charming plant.

GENERAL LIST OF FLOWERS GROWN FROM SEEDS—Continued

NUMBER AND NAME		Hardiness and Duration	Color of the Flower	Height in Feet	Price per Packet	BRIEF DESCRIPTION
BEGONIA, Tuberous-Rooted.						
253	Fringed, Double.....		mixed	1½	\$0 25	Covered with bright flowers. Beautifully fringed, waxy petals. Extra choice.
252	Single.....		mixed	1½	15	
Black-eyed Susan.....						See Thunbergia.
Blanket Flower (Gaillardia).						
628	Salmon-Red (Single).....		sal.-red		05	Profusion, size and brilliancy render these very desirable. The salmon-reds have bright orange edge; sulphureas have dark maroon eye.
624	Lorenziana fl. pl. Mixed.....		mixed		05	
626	Perennis grandiflora, Mixed.....		mixed		05	
629	Sulphurea oculata.....		sulphur		05	
Brachycome.....						See Swan, River Daisy.
271	Browallia (Amethyst).....	A	bl. & wh.	2	05	Covered with flowers. Summer or Winter.
1360	Butterfly Flower (Schizanthus Wisetoniensis).....	hhA	var.	1½	05	Orchid-like flowers.
Calendula.....						See Pot Marigold.
Cacalia.....						See Tassel Flower.
Caladium esculentum.....						See Elephant's Ear.
Calceolaria.....						See Pocket Flower.
Calla Lily.....						
Calliopsis.....						
297	Fine Mixed (Tall).....	A	mixed	1½	05	Rich colored, fluffy, 3-in. flowers; fine for cutting. Charming anywhere.
295	Coronata.....		yellow	1½	05	
296	Golden Wave.....		yellow	1	05	
298	Lanceolata Coreopsis.....	hP	yellow		05	
California Poppy (Eschscholtzia).....						
604	Hunnemannia, Bush.....	hA	yellow	1	05	A compact, graceful, hardy annual with fine foliage and a mass of showy flowers.
605	Golden West.....		orange		05	
606	Mandarin.....		orange		10	
607	Rose.....		car.-rose		10	
608	Finest Single Mixed.....		mixed		05	
603	Holmes' Mammoth White.....		white		05	
303	Callirhoe involucrata (Poppy Mallow).....	hP	c. & w.	trail.	10	Saucer-shaped flowers, rosy-crimson, white centers.
Campanula Medium.....						See Canterbury Bells.
Candytuft (Iberis).....						
340	Sweet-scented White.....	hA	white	1	05	Flowers from early Spring till frost. Good for cutting. Little Prince fine for borders.
343	Empress.....		white	1	05	
344	Little Prince (New dwarf).....		white	½	05	
360	Cannas Mixed.....	gP	mixed	3½	05	
Canterbury Bells (Campanula Medium).....						
311	Mixed.....	hB	mixed	2	10	(Cup and Saucer; Calycanthema). Fine type.
308	Rich Blue.....		blue		05	
365	Cardiospermum halicacabum (Balloon Vine).....	hhA	w. & gr.	10	05	A pretty and graceful climber of spreading habit.
374	Carnation, Marguerite Finest Mixed.....	A	w. sc. r. str.	1½	05	Beautiful flowers on long stems; extremely sweet.
373	Pure White.....			1½	10	
371	Scarlet.....			1½	10	
370	Red.....			1½	10	
372	Striped.....			1½	10	
Carnations.....						
377	Fancy Extra Choice Mixed.....	hP	mixed	1½	10	For greenhouse or conservatory.
378	Choice Double Mixed.....		mixed		10	
379	Fancy Picotee, Mixed.....		mixed		10	
Carpet of Snow.....						See Sweet Alyssum.
Castor-Oil Plant (Ricinus).....						
1321	Zanzibariensis.....	A		12-14	05	Groups give magnificent appearance. Makes fine screen or hedge.
1323	Mixed.....		var.	10	05	
1322	Major, mixed.....			10	05	
Celosia cristata.....						See Cockscomb.
Centaurea imperialis.....						
396	Cyanus, Mixed Single.....	hA	var.	2-3	05	Beautiful bouquet flower.
397	Double-Flowered, Mixed.....		mixed		05	
395	Pure White.....		white	1½	05	Long-stemmed blossoms, graceful and deliciously fragrant. Colors infinitely varied.
410	Gymnocarpa (Dusty Miller).....	hP		1	05	
Chinese Primrose (Primula).....						
1298	Baby (P. Forbesi).....	thP	rose-lilac	½	20	Fine for Winter and Spring decorations. Valuable for cut flowers.
1270	Holmes' Prize Mixture.....	hP	mixed		25	
1284	Obconica, Mixed.....	ttP	white		20	
420	Chrysanthemum Indicum, Double Mixed.....	hP	var.	3	20	Double mixed. Glorious Autumn-bloom-ing plants. Blooms all Summer. Finest ever introduced.
421	Marguerite (Painted Daisy).....	hP	w., g. cen.	1½	10	
422	Shasta Daisy, "Alaska".....	hP	white	1½	10	
490	Cigar Plant (Cuphea platycentra).....	thhP	s. & w.	1	15	For baskets, vases, gardens, etc.
Cinnamon Vine.....						
450	Clarkia, Mixed.....	A	mixed	1½	05	Leafy racemes of double flowers.
Cleome.....						See Spider Plant.

GENERAL LIST OF FLOWERS GROWN FROM SEEDS—Continued

NUMBER AND NAME		Hardiness and Duration	Color of the Flower	Height in Feet	Price per Packet	BRIEF DESCRIPTION
Cineraria						Splendid variety of colors. Immense flowers.
427	Holmes' Frize Strain.....				\$0 35	
433	Plenissima, Dwarf Double Mixed.....					
	1000 seeds \$2.50.....		mixed		05	Large-flowering. Exquisite sort.
435	Maritima (candidissima).....	hhP	yellow		05	(Dusty Miller). Silver foliage.
455	Clematis paniculata (Japan Virgin Bower).....	hP	white	clim.	05	Plant is hidden beneath a blanket of white. Hawthorn-scented blooms.
Clematis						
Cosmos						
Coix lachryma						See Job's Tears.
Crotolaria						See Florida Rattlebox.
Cobaea (Cup and Saucer)						
463	White.....	tP	white	20-30	05	Elegant, rapid growing climber.
464	Violet Blue.....		vio. bl.		05	
Cockscomb (Celosia cristata)		hhA			05	
387	Extra Fine Mixed.....		mixed	1	05	Free-blooming, bright-colored annuals. Excellent border plants; attractive in pots.
386	Dwarf Mixed, Extra.....		mixed			
384	Glasgow Prize (Crimson Comb).....		crimson		05	
383	Dwarf Feathered, Mixed.....		rose	½	05	Flowers curled.
385	Thompsoni magnifica.....		yel. & r.	2	10	Graceful, feathery plumes.
469	Coleus, Large-Leaved.....	gP	bronze	2	15	Beautiful bronze or copper color. New combinations of markings.
470	Finest Mixed.....		mixed		10	
105	Columbine (Aquilegia) mixed.....	hP	var.	2	10	Bears countless exquisite blossoms.
Coneflower (Rubeckia)		hP	yellow	3	05	Many branched, long-stemmed, attrac- tive flowers.
1335	Superba.....		gol.-yel.	2	05	
1333	Laciniata, Golden Glow.....		yellow		05	
Convolvulus. Morning Glory		†	†	1		Profusion of various colored flowers; splen- did for screens.
875	Rochester.....		blue		05	Flowers blue; white edge.
876	True Japanese.....		mixed		05	Exquisite colors; foliage variegated.
877	Fine Mixed.....		mixed		05	Rich colored trailing plants.
878	Tricolor, or Minus.....	hA	blue		05	
Cuphea platycentra						See Cigar Plant.
Cup and Saucer						See Cobaea.
Cup Flower (Nierembergia)						
1035	Frutescens.....	hhP	white	1	05	Perpetually in bloom. White, tinted with lilac.
492	Cyclamen. Dark blood-red 100 seeds \$1.00.....	gBu	red	¾	30	Charming plants with beautiful foliage and rich-colored, fragrant flowers.
497	Giganteum, Mixed 100 seeds \$1.00.....		mixed		25	
495	Princess of Wales, Pink, 100 seeds \$1.00.....		mixed		20	
502	Cyperus alternifolius.....	tP	apricot	2	10	Very desirable house plant.
Cypress Vine						See Ipomoea quamoclit.
260	Daisy (Holmes' Mammoth White).....	hP	white	1½	15	Valuable for cutting.
261	German Double Mixed.....		mixed		15	
Dahlias						
514	Dahlia, Superb Single Mixed.....	hhP	mixed	2½	10	Beautiful new varieties.
515	Double Large-flowering Mixed.....		mixed		10	
516	Choice Mixed Pompons.....		mixed		10	
Digitalis						See Foxglove.
Delphinium						See Larkspur.
737	Diamond Flower (Ionopsidium acaule).....	A	violet	¼	10	Excellent for rockery, etc..
Dianthus						See Pinks.
Dianthus barbatus						See Sweet William.
Echinocystis lobata (Wild Cucumber)		hP	white	30	05	Dense foliage. White fragrant flowers.
Elephant's Ear						
Eschscholtzia						
Dictamnus						See California Poppy.
Euphorbia variegata (Snow-on-the-Moun- tain)		A	var.	2	05	See Gas Plant. Ornamental foliage; veined and margined white.
Evening Glory						
False Dragon Head (Physostegia)						See Ipomoea.
1210	Denticulata.....	P	var.	3-4	10	Spikes of white, pink, purple and red tubular flower.
673	Feather Grass (Stipa pennata).....	hP	purple	2	05	Magnificent ornamental grass.
823	Feverfew (Matricaria).....	hA	white	2	05	Very free-flowering. Double.
1563	Flame Flower (Tritoma hybrids).....	hhP	r. & yel.	3	10	(Red-Hot Poker, or Torch Lily). Early and continuous flowering.
Floes Adonis						See Adonis aestivalis.

GENERAL LIST OF FLOWERS GROWN FROM SEEDS—Continued

NUMBER AND NAME	Hardiness and Duration	Color of the Flower	Height in Feet	Price per Packet	BRIEF DESCRIPTION
Floss Flower.....					See Ageratum.
Flowering Flag.....					See Iris.
487 Florida Rattlebox (Crotolaria).....	A	gol.-yel.		\$0 10	Sweet-Pea-like flowers. Profuse bloomer.
Retusa.....					Pods rattle.
864 Four O'clock (Marvel of Peru).....	A	w. y. cr var.	2	05	Bushy; blooms all Summer.
Variegated.....				05	Gold-striped foliage.
588 Foxglove (Digitalis).....	hP	mixed	4	10	Racemes often 2 feet long. Mixed border or group.
618 Fuchsia (Lady's Eardrop). Mixed.....	gS	mixed	2	30	For house or shady situations.
Forget-Me-Not (Myosotis).....					
887 Palustris.....	hP	blue	6	10	Very beautiful little plant with star-like flowers.
885 Alpestris alba.....		white	6	10	See Blanket Flower.
Gaillardia.....					
Gas Plant (Dictamnus).....					
582 Rosea.....	hP	pink	2	05	Showy border plant Fragrant foliage.
583 Alba.....		white		05	Spikes of curious flowers.
Gladioli.....					
Globe Amaranth.....					See Bachelor's Button.
Gloxinias.....					
637 Gloxinia, Holmes' Tiger-Spotted; Stained, Extra Fine Mixed.....	fgP	mixed		35	Gorgeous flowers. Foliage rich, velvety
Godetia (Satin Flower).....					
643 Bijou.....	A	blush	1-2	05	Constant bloomers and very attractive.
644 Gloriosa.....		blood-red		05	Flowers 3-4 inches across.
645 Finest Mixed, Dwarf.....		mixed		05	
1375 Goldenrod (Solidago Canadensis).....	P	gol.-yel.	3	05	The National flower.
Gomphrena.....					See Bachelor's Button.
Geranium (Pelargonium).....					
632 Zonal, Mixed.....	gP	mixed	1½	10	Extra fine. If sown early will bloom first season.
633 Lady Washington Mixed.....				10	
659 Gourds, Mixed Ornamental.....	tA	mixed	10-30	05	
655 Sugar Trough (Sap Bucket).....	tA	yellow		05	
656 White Egg (Nest Egg).....	tA			05	Summer climbers of luxuriant growth bearing ornamental gourds.
657 Dish Cloth (Luffa, or Bonnet Gourd).....	tA	yellow		05	
658 Mock Orange.....	tA	yellow		05	
Helianthus.....					See Sunflower.
692 Helenium Bigelowii.....	hP	yellow	5-6	10	Charming Daisy-like flowers.
Helichrysum.....					See Strawflower.
702 Heliotrope, Holmes' Mammoth Blue.....	gP	blue	2	10	Blossom heads often measure a foot across.
703 Choice Mixed.....		mixed		10	Delicious perfume.
Hesperis.....					See Sweet Rocket.
Hibiscus.....					See Mallow.
Hollyhock.....					
720 Chater's Superb Double.....	hP	mixed	4	10	Majestic hardy plants anywhere. Finest and most exquisite shades.
721 Allegheny.....				10	
791 Honesty (Lunaria).....	thB	purple	2	05	Pretty plant. Curious seed-pouches; house ornaments.
Biennis (Satin Flower).....				05	See Datura.
Horn of Plenty.....					
Honeysuckle.....					
Humble Plant.....					See Sensitive Plant.
726 Humulus Japonicus variegatus (Japanese Hop).....	tA	green	20-30	05	Summer climber.
Hyacinthus candicans.....					See Summer Hyacinth.
Ice Plant (Mesembryanthemum).....					
847 Crystallinum.....	tA	white	1½	05	Small flowers. Almost transparent.
848 Tricolor (Wax Plant) Mixed.....		mixed		05	Leaves that feel cold as ice.
Ionopsidium acaule.....					See Diamond Flower.
Ipomoea quamoclit (Cypress Vine).....					
507 White.....	tA	white	20	05	Dark green, feathery foliage; scarlet or white blossoms; climber
508 Scarlet.....		scarlet		05	
509 Mixed.....		mixed		05	
Ipomoea (Evening Glory).....					
742 Noetiflora.....	tA	climb		05	Blooms best at night; sweet scented flowers; climber.
744 Mexicana grandiflora alba.....		white	15	05	The original Moon Flower.
743 Surperba.....		blue		10	
Kochia trichophylla.....					See Cypress.
Lobelia.....					
Iris (Flowering Flag).....					
750 Kaempferi (Japanese Iris).....	hP	mixed	2	10	Showiest of the "Flags." Blooms the second year. Seed from most exquisite flowers.
751 Newest Japanese Varieties.....					
Finest Mixture.....	hhP		2	10	
Jacobeian Lily.....					
1370 Jerusalem Cherry (Solanum capsicastrum).....	tP	yellow	1	05	Pretty pot plant for Winter. Scarlet berries.
668 Job's Tears (Coix lachryma).....	A		2-3	05	Favorite ornamental grass. Seeds hard, with shining, pearly appearance.

GENERAL LIST OF FLOWERS GROWN FROM SEEDS—Continued

NUMBER AND NAME	Hardiness and Duration	Color of the Flower	Height in Feet	Price per Packet	BRIEF DESCRIPTION
802 Jerusalem Cross (<i>Lychnis Chalcedonica</i>)...	hP	scarlet	2	\$0 05	Very ornamental; effective for massing.
Kenilworth Ivy					See Linaria.
Kudzu Vine					See Pueraria.
Lady's Eardrop					See Fuchsia.
761 Lantana, Holmes' Mixed Hybrids	hhP	var.	2	05	Verbena-like heads. Constant bloomer.
Larkspur (<i>Delphinium</i>). Perennial					
528 Formosum, Mixed	P	var. mixed	3-4	05	Spikes 6-10 inches long. Most brilliant shades.
531 Fine Mixed			3	05	
Larkspur (<i>Delphinium</i>). Annual					
536 Emperor, Double Mixed	A	mixed			Vast improvement in size and color. Mass of bright blooms from June till frost.
537 Tall Rocket (<i>Hyacinth-Flowered</i>). Double Mixed	A	mixed	2	05	
Lavatera					
773 Trimestris, Mixed	hA	red	2	05	Rich display, large flowers. July to September.
445 Lemon Verbena (<i>Citriodora</i>)	tP			10	Pale green, lemon-scented foliage.
778 Linaria cymbalaria (<i>Kenilworth Ivy</i>)	hP	violet	3-6	05	Valuable trailing plant; violet flowers.
Love-in-a-Mist (<i>Nigella</i>)					
1040 Damascena, Double Mixed	hA	blue	1	05	Pretty flowers, delicate foliage. Called Devil-in-a-bush.
Lunaria					See Honesty.
Madagascar Periwinkle (<i>Vinca</i>)					
1589 Fine. Mixed	tP	mixed	1½	10	Continual and profuse bloomer.
Mallow (<i>Hibiscus</i>)					
713 Golden Bowl	hP	cream	2-3	10	Blooms first year from seeds. Golden bowl has large, cupshaped flowers from 6 to 9 inches.
714 Moscheutos roseus		rose		05	
715 Palustris		pink		05	
Marigold, Large African	hA	yl. br. or.	1½	05	African and French Marigolds are favorite free-flowering annuals. Large flowers. For beds, mixed borders or pot in full sun.
807 Lemon Queen		lemon	3	05	
809 Double Mixed		mixed		05	
808 Eldorado		yellow		05	
Marigold, Dwarf French		yl. br. str.	1½	05	
814 Legion of honor		yl. br.	1	05	
815 Striped Tall, Single		striped		05	
816 Brown, Marbled, Small		red-br.		05	
817 Tall, Double Mixed		mixed		05	
818 Dwarf Striped		dk. br. str.		05	
Marigold, Pot. Calengula					
290 Fine Double Mixed	hA	mixed		05	Calendula.
289 Striped Meteor, Double striped		striped		05	Blooming generously from Spring till frost.
288 Prince of Orange, Double		orange		05	
Matricaria					See Feverfew.
830 Maurandya, Fine Mixed	gP	mixed	10	05	Graceful climber, loaded with Foxglove-shaped blossoms.
828 Large-flowering Rose (New)		rose		05	
829 Dark Purple		purple		05	
Mignonette					
835 Holmes' Sweet-scented Golden Queen	hA	gol.-yel.		05	Rich; very fragrant.
836 Holmes' Dwarf Machet		deep red		05	Rich; fragrant.
837 Allen's Defiance		red	1½	05	Long spikes. Very fragrant.
838 Odorata grandiflora				05	(Sweet Mignonette.)
839 Gigantea		mixed		05	Tall. Mixed.
840 Bismarck				05	Largest. Improved Machet.
841 Giant Pyramidal		br.-red	1½	05	
842 Goliath		red		10	Large; double.
Mesembryanthemum					See Ice Plant.
Mimosa					See Sensitive Plant.
Mimulus					
858 Musk Plant (<i>Moschatus</i>)	tA	mixed	1½	05	Markings extremely rich. Monkey Flower resembles mask or face.
859 Monkey Flower (<i>Tigrinus</i>)	hA	spotted	1	05	
869 Momordica Balsamina (<i>Balsam Apple</i>)	hhA	yellow	10	05	Makes dense shade. Ornamental fruit.
870 Charantia (<i>Balsam Pear</i>)	hhA	yellow	clim	05	
Mourning Bride (<i>Scabiosa</i>)					
1356 Dwarf Double Mixed	hhA	var.	2	05	Great profusion of double flowers, all shades and colors.
1355 New Double Black		blk.-pur.		05	
Morning Glory					See Convolvulus.
Moschatus					See Mimulus.
Myosotis					See Forget-me-not.
1365 Myrsiphyllum asparagoides (<i>Smilax</i>)	gP	white	10	05	Tender perennial for house and table decoration.
Nasturtiums					
1030 Nicotiana Affinis	hA	car.-red	2	05	Handsome flowers; sweet-scented.
Nicotiana					See Ornamental Tobacco.
Nierembergia					See Cup Flower.
Nigella					See Love-in-a-Mist.
1164 Passiflora coerulea (<i>Passion Flower</i>)	hhP	blue	8-10	05	Blue, wax-like flowers, 2 to 3 inches across; climber.

GENERAL LIST OF FLOWERS GROWN FROM SEEDS—Continued

NUMBER AND NAME		Hardiness and Duration	Color of the Flower	Height in Feet	Price per Packet	BRIEF DESCRIPTION
Passion Flower						See <i>Passiflora coerulea</i> .
Pansies						
Pelargonium						See <i>Geranium</i> .
Petunias						
Phlox Drummondii (Flame Flower)						
1185	Holmes' Large-flowering Mixed	A	mixed		\$0 10	Elegant, brilliantly colored and long-lasting blooms. Starred and fringed displays little stars of unusual beauty, bordered pure white. The Hardy Perennials bloom continuously and are fine for bouquets.
1192	Splendid Mixed		mixed	1	05	
1186	Starred and Fringed				10	
1187	Scarlet (Meteor)			1	05	
1188	Alba		white		05	
1189	Apricot Color		apricot		05	
1190	Shell Pink		sh. pk.		05	
1191	Dwarf Compact		mixed	6-8	05	
1200	Hardy Perennial, Mixed	hP	mixed	3	05	
Platycodon						See Balloon Flower.
281	Pocket Flower (<i>Calceolaria</i>), Mixed	gP	y. mar. cr.	1½	25	Odd-shaped flower all Summer.
Physostegia						See False Dragon Head.
Poppy Mallow						See Callirhoe.
Primula						See Chinese Primrose.
Privet						
Pyrethrum grandiflorum			var.	3	15	Handsome herbaceous plants. All variations of color.
Pinks (<i>Dianthus</i>)						Of great value all Summer.
550	Chinensis	hB	w. to cr.	1	05	Make elegant bouquets. Fireball has globe-shaped flowers.
551	Dwarf Snowball		white		05	
552	Dwarf Fireball		blood-red		10	
Pinks, Single						
557	Salmon Queen	hB	salmon		05	Our varied selection contains the most beautiful of this popular and much-loved flower, unsurpassed for color and fragrance. Japonicus is prettily marbled and the Large White resembles a Carnation.
558	Star Pink (<i>Stellaria</i>)				05	
559	Eastern Queen (<i>Japonicus</i>)		marbled		05	
560	Dainty (New)				05	
561	Pheasant's Eye (<i>Plumarius</i>)		white		05	
562	Scoticus (<i>Florist's Pink</i>)		white		10	
563	Laciniatus, Single, Finest Mixed				05	
564	Large White		white		05	
Poppies, Single						
1225	Brilliant	A	red		05	New, Peony-flowered.
1228	Maid of the Mist	A	white	3½	05	Peony-flowered.
1227	Dwarf Shirley		var.	9	05	Very fine; richest colorings.
1229	Japanese Dwarf Mixed		mixed		05	
1230	Tulip-Flowered	A			05	Tulip shaped.
1226	Danebrog	A	scarlet		05	White spot on base of petals.
Poppies, Double						
1241	Golden Gate		var.		05	Every conceivable coloring.
1242	Improved Carnation, Mixed	A	mixed	1	05	Very effective blooms.
1243	Peony-Flowered, Mixed		mixed	1	05	Dainty and attractive.
1240	Hybrid Cardinal		scarlet		05	Enormous flowers.
1252	Iceland		yellow	1	10	All colors; fragrant.
Poppies, Hardy Perennial						
1251	Bracteatum	hP	red	3	05	A greatly admired variety.
1253	Hybrid Mixed		mixed		10	Finest shades.
1250	Poppy, Giant Hardy Oriental, Mixed		var.		05	Unrivaled. Flowers often 6 in. across; brilliant colors.
1263	Portulaca, Finest Single Mixed	A	mixed	6	05	Unsurpassed for brilliancy among trailing plants.
1264	Double Rose-Flowered Mixed	A	mixed	6	05	
1310	Pueraria Thunbergiana (Japanese Kudzu Vine)	hP	purple	50	05	The fastest growing hardy climbing plant; foliage large; rosy-purple, pea-shaped blossoms.
Richardia maculata						See Calla Lily.
Ricinus						See Castor Oil Plant.
Rosemarinus						See Rosemary.
Roses, Climbing						
Roses, Hardy						
1328	Rosemary (<i>Rosemarinus officinalis</i>)		blue		05	Fragrant herb.
Rudbeckia						See Coneflower.
Salpiglossis						See Velvet Flower.
Salvia						See Scarlet Sage.
Sand Verbena						See <i>Abronia umbellata</i> .
Scabiosa						See Mourning Bride.
Schizanthus						See Butterfly Flower.
Scarlet Sage (<i>Salvia</i>)					10	
1348	Fire Ball (New)	hhP	red	2	15	Very fine; dwarf.
1347	Bonfire (Clara Bedman)		scarlet	2½	10	Compact bush.
1349	Splendens (Scarlet Sage)		scarlet	3	05	Well-known, rich-flowered bedder.
1350	Zurich (New). Very dwarf		cr-scar.	1-1¼	15	Magnificent display of flowers.
853	Sensitive, or Humble Plant (<i>Mimosa pudica</i>)	A	pur. w.	1½	05	Curious plant with purplish white flowers; leaves close or droop when touched.
Smilax						See <i>Myrsiphyllum</i> .

GENERAL LIST OF FLOWERS GROWN FROM SEEDS—Concluded

NUMBER AND NAME		Hardiness and Duration	Color of the Flower	Height in Feet	Price per Packet	BRIEF DESCRIPTION
Snapdragon (<i>Antirrhinum</i>).....						
99	Tom Thumb, Mixed, Dwarf.....	P	mixed	12	\$0 05	Blooms from seed first season. One of the showiest border plants.
89	Majus.....			1½	05	
97	Queen of the North.....		white	1	05	
Solanum						See Jerusalem Cherry.
Solidago						See Goldenrod.
1380	Stokesia cyanea	hP	blue	18-24	10	Hardy. Valuable for cutting.
Straw Flower (<i>Helichrysum</i>).....						
697	Dwarf, Double, Mixed.....	A	w. y. cr.	2-3	05	Showy; flowers large and double.
1385	Stocks , Ten Weeks, Princess Alice.....	hhA	white	1-1½	10	(Cut-and-Come-Again.)
1386	Holmes' New Largest Flowering Globe.....		mixed		10	
1387	Pyramidal, Mixed.....		mixed		10	
Sunflower (<i>Helianthus</i>).....						
683	Cucumerifolius, Dwarf.....	hA	yellow	3	05	Effective among shrubbery.
684	Multiflora, Double.....			4	05	Small Daisy-like flowers.
685	"The Dahlia," Double.....		gol.-yel.	7	05	Branch at each leaf, each branch yields double flower.
686	Silver-Leaved.....		y. & blk.	4	05	Foliage silvery.
687	Miniature.....		orange	3	05	Small flowers.
266	Swan River Daisy (<i>Brachycome</i>).....	A	bl.-wh.	1	05	Compact and beautiful.
Sweet William (<i>Dianthus barbatus</i>).....		hB		1½		
559	Holmes' Giant Double Mixed.....				05	Fragrant masses of rich flowers. Superb strains. Very striking.
576	Brilliant Red.....		red		05	
571	Pure White.....		white		05	
572	Perfection, Single Mixed.....		mixed		05	
53	Sweet Alyssum , Carpet of Snow (<i>Procurambens</i>).....		white	3	05	Honey like perfume. A carpet of snow all season.
54	Sweet Maritimum.....	hA	white	½	05	Spreading habit.
52	Little Gem.....		white	6	05	
51	Basket of Gold.....	hP	yellow	1	05	
708	Sweet Rocket (<i>Hesperis</i>), Mixed.....	hP	w. lil.-p.	2-3	05	Also known as Dame's Rocket and Dame's Violet. Spikes of fragrant flowers.
Sweet Peas						
276	Tassel Flower (<i>Cacalia</i>).....	A	scarlet	1½	05	Pretty plant for cutting.
Tigrinus						See Monkey Flower.
731	Touch-Me-Not , or Zanzibar Balsam (<i>Impatiens Sultani</i>).....	A	scarlet	1	15	Beautiful waxen rosy scarlet.
Thunbergia (<i>Black-Eyed Susan</i>).....						
1560	Alata, Mixed.....	hhA	mixed	5	05	Beautiful tender climber; white, pale yellow or orange-colored flowers.
Velvet Flower (<i>Salpiglossis</i>).....						
1340	Emperor.....	hhA	var.	1½	05	Beautiful flowers, almost like Orchids. Emperor is netted and veined with golden yellow.
1342	Fine Mixed Hybrids.....		mixed		05	
1341	Variabilis superbissima aurea (New).....				10	
1565	Verbena , Extra Choice Mixed.....	hA	mixed	1½-2	05	Very fine.
1566	Holmes' Mammoth.....				10	Selected flowers.
1567	Scarlet Defiance.....		scarlet		05	Glowing color.
1568	Pure White.....		white		05	A choice strain.
1569	Blue.....		blue		05	White eye.
1570	Blood-Red, White Center.....		red		10	One of the most beautiful.
1571	Auricula-flowered.....		mixed	½	15	Handsome flowers.
1581	Veronica spicata	hP	blue	18	10	Elegant border plant.
Vinca						See Madagascar Periwinkle.
Wallflower						
1605	Fine German, Double Mixed.....	tP	var.	1½	20	Massive spikes of sweet-scented flowers.
1606	Single Mixed.....		var.		05	
Wild Cucumber						Echinocystis.
Windflower						See Anemone.
Wistaria, Chinese						
10	Yarrow (<i>Achillae ptarmica</i> , The Pearl).....	hP	white	2	10	Covered with pure white double flowers from Spring till frost.
Youth and Old Age (<i>Zinnia</i>).....						Brilliant display all Summer.
1626	Giant Mammoth.....		var.		05	Immense double flowers; striking colors.
1634	Dwarf Snowball.....		white		05	Double.
1635	Dwarf Fireball.....		scarlet		05	Fiery scarlet flowers.
1636	Pompon.....		mixed		05	All colors, mixed.
1637	Elgans.....		mixed		05	Double mixed.
Zinnia						See Youth and Old Age.

Hemlock, Canadian

(*Tsuga canadensis*). Often called Hemlock Spruce. A tall tree with drooping branches, forming a pyramidal crown; foliage dark green. Makes a grand hedge.

	Each	10	100
2 to 3 feet.....	\$3 50	\$27 50	\$250 00
3 to 4 feet.....	4 50	37 50	300 00
4 to 5 feet.....	5 50	47 50	400 00
5 to 6 feet.....	6 50	57 50	550 00

Juniperus. Juniper

Juniperus. (Douglas Dwarf Golden Juniper.) A low tree of spreading habit. Foliage is yellowish in summer, turning to brown in winter. An excellent evergreen for mass planting.

	Each	Per 10
1 to 1½ feet.....	\$2 50	\$18 00

J. Communis Hibernica. (Irish Juniper.) A handsome tree of compact conical form. The branches grow erect and are densely covered with deep green leaves. Excellent for formal plantings on either the lawn, landscape or in cemeteries.

	Each	Per 10
3 to 4 feet.....	\$5 00	\$45 00
4 to 5 feet.....	7 00	55 00

Taxus. Yews

Taxus Baccata. (English Yew.) A pleasing tree with glossy green foliage. In fall this variety bears numerous scarlet fruits.

	Each	Per 10
2 to 3 feet.....	\$3 75	\$22 50
3 to 4 feet.....	5 50	44 00

A. Nordmanniana

A. Nordmanniana. (Nordmann's Silver Fir.) Grows to medium size, possessing a symmetrical form. Branches are horizontal and the foliage is sea-green.

	Each	Per 10
2 to 3 feet.....	\$3 75	\$33 00
3 to 4 feet.....	5 00	45 00
4 to 5 feet.....	6 00	55 00



Picea Pungen (Colo. Blue Spruce)



Picea Canadensis (Black Hill Spruce)

Around our homes we want the trees we like best. Sometimes these are not the most suitable—so we have to take a second choice and plant trees that will thrive. Then, we ought to consider the size of the house; if it is tall, use Maples, Elms, Oaks. If it is a small cottage, try some of the smaller trees, like the Box Elder, the Silver Maple, or the Dogwood.

White Fir

White Fir. *Abies Concolor.* (L.) One of the most satisfactory evergreens for planting in New England and other sections where the severe winters are too cold for many varieties. Being of a glaucous green color makes it very attractive. A valuable tree that generally develops into a beautiful specimen.

Fine, well-formed stock.

	Each	Per 10
1½ to 2 feet.....	\$2 75	\$20 00
2½ to 3 feet.....	3 75	27 00

Balsam Fir

Balsam Fir. *Abies Balsamea.* (M.) An ornamental native of our forests that is very hardy and does best in the Northern States. Has dark needles of pleasant fragrance; grows rapidly when young, and does well in moist soils.

	Each	Per 10
2 to 3 feet.....	\$2 00	\$17 50

Boxwood

Boxwood. (*Buxus suffruticosa.*) A dwarf variety. Splendid for planting in window-boxes, and is much used for edging along walks and about beds of shrubbery, etc.

	Each	10
12 inch.....	\$2 50	\$18 00
18 inch.....	3 00	20 00

Boxwood, Globular. (*Buxus sempervirens.*) Trimmed to globe form. Popular for planting as individual specimens in tubs, or on the lawn.

	Each	10
12 inch.....	\$2 75	\$18 50
18 inch.....	3 75	25 00

Boxwood, Pyramidal. (*Buxus sempervirens.*) Trimmed to pyramidal form. Popular for planting as individual specimens in tubs, or on the lawn.

	Each	10
12 inch.....	\$2 25	\$18 00
18 inch.....	3 75	25 00
2 feet.....	5 00	32 00
2½ feet.....	6 00	45 00

Choice Coniferous Evergreens

The Coniferous Evergreens are indispensable in all ornamental plantings. They impart a finish to the landscape by their quaint or symmetrical growth, and whether planted as single specimens on the lawn or grouped together in masses, the light green, golden or silver-blue colors of their foliage are beautiful, winter and summer alike. We offer below a short but select list of the hardiest and easiest grown varieties:

Norway Spruce

PICEA EXCELSA. (L.) This familiar Spruce is more generally used than any of the others. It is a rapid grower, does well in most soils, and withstands the bleak, cold winds of winter. If left untrimmed they spread out magnificently and make desirable specimens. They make splendid windbreaks and shelter belts. If planted as hedges and sheared they become impenetrable, and as good for this purpose as any evergreen. One of the most inexpensive evergreens.

Very symmetrical, well-branched trees.

	Each	Per 10
1½ to 2 feet.....	\$1 50	\$ 9 00
2 to 3 feet.....	2 25	17 50
3 to 4 feet.....	3 00	27 50
4 to 5 feet.....	4 50	37 50
5 to 6 feet.....	5 00	32 50
6 to 7 feet.....	6 00	42 50

White Spruce

Picea Alba. (L.) Habit similar to the Norway Spruce; distinguished by its attractive grayish blue color. A hardy species of quick growth, especially suited for coast and New England plantings.

Very heavy well-formed trees.

	Each	Per 10
18 to 24 in.....	\$1 75	\$15 00
2 to 3 feet.....	2 50	20 00
3 to 4 feet.....	0 00	00 00
4 to 5 feet.....	0 00	00 00
5 to 6 feet.....	0 00	00 00
6 to 8 feet.....	0 00	00 00

Black Hill Spruce

Picea Canadensis—Valuable Everywhere
See Illustration

No matter where you are located—north, east or west—you will find in Black Hill Spruce a tree of rare value. For windbreaks it is at the top of the list, hardy, perfect in shape—compact and windproof. To appreciate its value one must see it as it grows in its natural range.

	Each	Per 10
18 to 24 in.....	\$2 00	\$15 00
2 to 3 feet.....	2 50	18 00
3 to 4 feet.....	0 00	00 00
4 to 5 feet.....	0 00	00 00

Spruce, Colorado Blue. (*P. pungens glauca.*) Foliage blue and sage-green. As a specimen tree on the lawn or planted in groups, in front of darker-colored evergreens, the Blue Spruce is at its best. Tree usually has a symmetrical shaped, narrow-pointed or rounding top; is hardy and quick-growing.

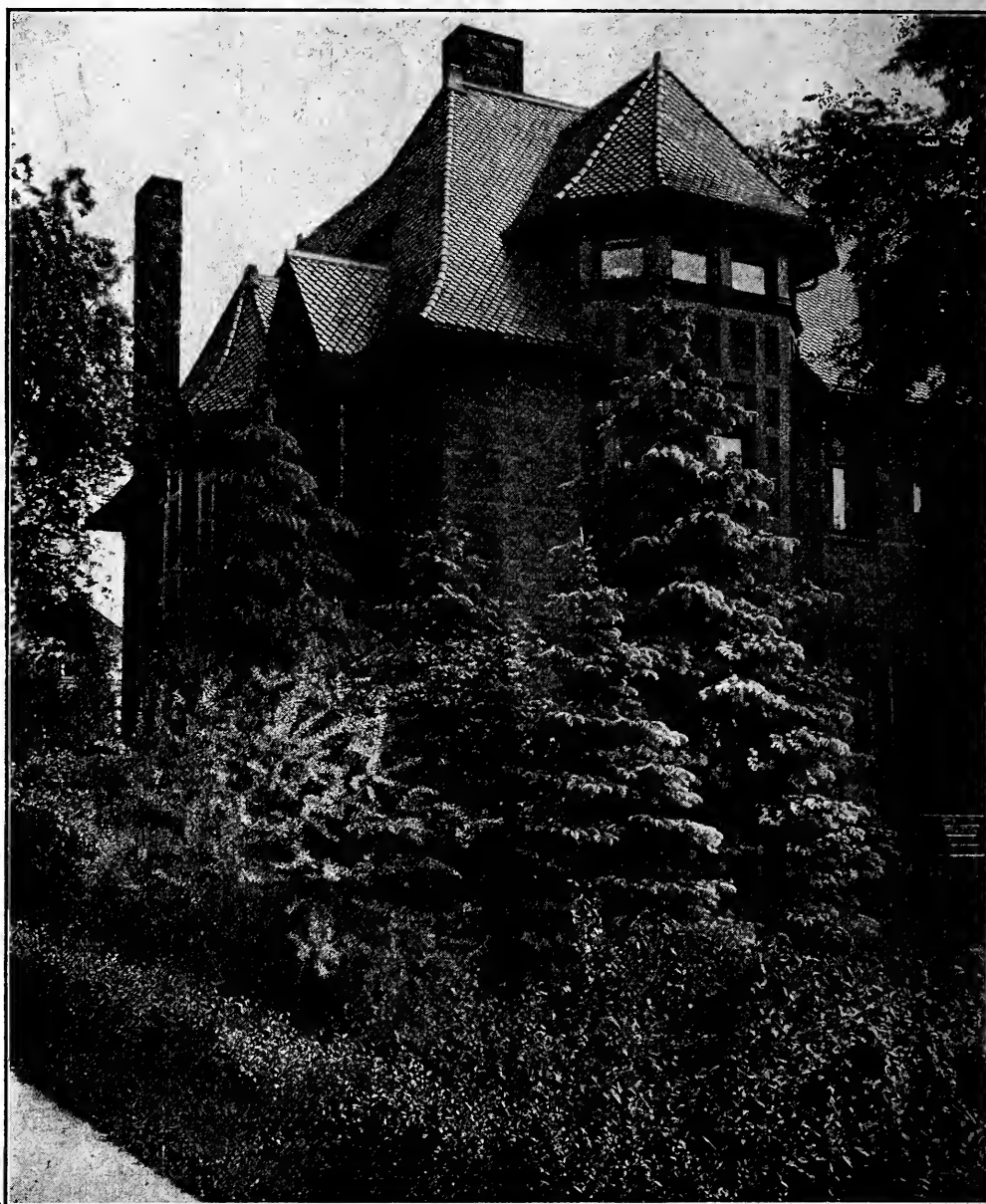
	Each	10
3 to 4 feet.....	\$ 6 00	\$55 00
4 to 5 feet.....	8 00	75 00
5 to 6 feet.....	10 00	85 00
6 to 7 feet, specimens.....	15 00	
7 to 8 feet, specimens.....	18 00	

Spruce, Koster's Blue. (*P. pungens glauca Kosteriana.*) Foliage intense silvery blue and very dense on branch ends; rapid grower and has regular, slim branches. Our trees are grafted from the finest specimens and have the rich blue color that makes the Koster's Spruce so handsome. See illustration.

	Each	10
2 to 3 feet.....	\$ 4 00	\$55 00
3 to 4 feet.....	7 00	65 00
4 to 5 feet.....	8 00	75 00
5 to 6 feet.....	10 00	85 00
6 to 7 feet.....	15 00	135 00
7 to 8 feet.....	20 00	

Douglass Spruce. (*P. Douglasii.*) Hardy as a stone, whether it be subjected to low temperatures or cold winds.

	Each	Per 10
3 to 4 feet.....	\$3 50	\$30 00
4 to 5 feet.....	4 50	40 00
5 to 6 feet.....	5 50	50 00
6 to 7 feet.....	6 50	60 00



Specimen Plants arranged on Lawn

Spruce, Norway. (*P. excelsa.*) One of the most popular evergreen trees for hedges, screens, or individual specimens. It grows to a height of about 40 feet. The foliage is bright green and the branches are numerous. The trees are extremely hardy, and when planted on the windward side of buildings prove one of the best windbreaks, protecting houses and buildings from cold winds, saving fuel for you and making your stock more comfortable.

	Each	10
3 to 4 feet.....	\$2 50	\$18 00
4 to 5 feet.....	3 50	25 00
5 to 6 feet.....	4 00	30 00
6 to 7 feet.....	5 00	38 00
7 to 8 feet.....	6 00	45 00
8 to 10 feet.....	8 00	60 00

Austrian Pine. Var. *Austriaca.* (L.) A tall, massive tree with spreading branches, heavily plumed with long, stiff, dark-green needles. A useful species along the coast, and grows equally well inland. Popular for groupings or as specimens.

	Each	Per 10
2 to 3 feet.....	\$3 00	\$25 00
3 to 4 feet.....	4 00	37 50
4 to 5 feet.....	5 00	42 50

The handsomest lawn tree

The Retinisporas

This class of evergreen trees is frequently, and properly, used at the foundations of residences and other buildings. Many times they are planted at the base of a terrace or at the foot of a slope of ground. A group of Retinisporas at the border of a lawn, or at the edge of taller evergreens like the pines, spruces, or cedars, makes an effect not obtained by any other combination of trees. Retinisporas are "family" trees, for close planting seems to suit them best; they do not like to be alone, nor do they thrive in places exposed to strong and cold winds. In summer the foliage of all the varieties is rather light in color, but after cold weather comes it turns to a deep rich shade that is in marked contrast to that of other evergreens. The color contrast is particularly marked when the Retinisporas are arranged among large groups of evergreens or with rhododendrons and laurels. In all cases the Retinisporas are of great value. We send our specimens carefully packed, balled, and burlaped, so that they are sure to reach you safely and in a condition to begin growing at once.

PARCEL POST. We do not ship Retinisporas by parcel post.

Retinispora, Japanese. (Retinispora obtusa.)	Each	10
3 to 4 feet.....	\$5 00	\$37 50
4 to 5 feet.....	6 00	50 00
Retinispora. (R. obtusa magnifica.)		
3 to 4 feet.....	4 00	37 50
Retinispora, Dwarf Golden. (R. obtusa nana aurea.)		
12 inches.....	3 00	27 50
Retinispora, Japanese (R. filifera.)		
18 to 24 inches.....	3 50	27 50
2 to 3 feet.....	4 00	37 50
Retinispora, Japanese Golden Pea-fruited. (R. pisifera aurea.)		
2 to 3 feet.....	3 50	27 50
Retinispora, Japanese Plume-like. (R. plumosa.)		
3 to 4 feet.....	4 50	37 50
4 to 5 feet.....	6 00	47 50
Retinispora, Japanese Golden Plume-like. (R. plumosa aurea.)		
3 to 4 feet.....	4 50	37 50
Retinispora, Sulphur-tinted. (R. sulphurea.)		
18 to 24 inches.....	3 50	32 50
Retinispora, Veitch's Japanese. (R. squarrosa Veitchii.)		
2 to 3 feet.....	3 00	27 50
3 to 4 feet.....	4 50	37 50
4 to 5 feet.....	5 50	47 50

California Privet

This is the universal hedge in the East, a fact proving that Privet has greater merit under ordinary conditions for this purpose than any other plant. For live fences at village, town, and country homes it is the very best of all materials. On public grounds of all kinds, in parks and cemeteries, along roads and paths, on factory grounds, and on newly subdivided areas near towns, nothing else can be used in its place, and in this place it is indispensable. California Privet is known as *Ligustrum Ovalifolium* by botanists. It comes from Japan and China, and is able to stand a temperature of zero without any damage. Ten or fifteen degrees below zero do not damage it much, but twenty or thirty below will kill the wood to the ground. This is not so serious as it might be, because the roots throw up a strong growth by the next August.

Privet produces wood faster than any other shrub or tree. When you want a hedge that is thick right down to the ground, you must set the plants close together, anywhere from 6 to 18 inches apart. It is sometimes best to set in a double row, the plants "staggered," a foot apart in each line. Some people use even a triple row. The lines should be about 8 inches apart. This is the way to make the finest hedges, especially when you want them a couple of feet wide and over 3 feet high. A single row of plants will make a beautiful hedge, but it will not be so thick at the bottom, and will require careful trimming to make it as nice. When possible plow or dig a trench 2 feet wide and 1 foot deep. Don't throw the dirt out; just mix it thoroughly. A horse and harrow or cultivator are the best tools. When you have a fine bed of soil, plow a trench in the middle, and set the plants in dry soil. The roots should be "puddled" as soon as you unpack them, and if you do not plant at once, they should be coated with mud again just before you plant. Water, if you can, after planting. A good heavy rain will do this for you. Mulch 6 inches deep with cut-grass or buckwheat hulls right after planting and watering. You can water twice a week and fertilize half a dozen times a season with good results.

	10	100	1,000		10	100	1,000
6 to 8 in....	\$1 25	\$ 8 00	\$55 00	2 to 3 feet..	\$2 25	\$18 00	\$150 00
8 to 12 in....	1 50	10 00	75 00	3 to 4 feet..	3 00	20 00	160 00
12 to 18 in....	1 75	12 00	95 00	4 to 5 feet..	3 50	30 00	225 00
18 to 24 in....	2 00	15 00	130 00				

Privet, California, Specimen. These have been frequently cut back and are large, bushy, well rooted, 2 feet broad, 3 feet tall. \$1.50 each, \$12.00 for 10.

Thunberg's Barberry (*Berberis Thunbergii*)

If you want a hedge that will give your grounds a really natural effect, plant Thunberg's Barberry. If allowed to grow without pruning or training in any way, it will form a compact mass so dense that even a cat can't get through it.

Beautiful
the year
round

For a low hedge Thunberg's Barberry stands at the head of the list. The leaves are small, light green, and toward fall turn to various colors which produce a very pleasing aspect. In fall this handsome plant bears a profusion of bright red berries which remain through the winter. This Barberry is without doubt one of the best hedge plants and one that requires no attention, as it can be pruned or not at the owner's discretion. Barberry is fully as hardy as California Privet, and has points of advantage not possessed by other hedge plants.

American Arborvitae

In the general department of Evergreens we have referred to the American Arborvitae and its value in ornamental plantings. Here we bring it to your attention as one of the very best evergreens for hedges. It grows rapidly during the first three or four years, but after that develops slowly, and in twenty or thirty years will reach no more than 30 feet in height. It is a handsome little tree and grows without any trimming in a slim, even cone. But it can be pruned to any form and responds readily to training. In summer the hedge is bright green above and yellowish beneath; in winter the foliage changes to bronze.

	Each	10
3 to 4 feet.....	\$3 00	\$25 00
4 to 5 feet.....	4 50	37 50
5 to 6 feet.....	6 00	47 50

Arborvitae, Ellwanger's Siberian. (T. occidentalis Ellwangeriana.)

	Each	10
2 to 3 feet.....	\$3 00	\$17 50
Arborvitae, Globular. (T. globosa.) 18 to 24 inches..	3 00	17 50
Arborvitae, Hovey's Globular. 2 to 3 feet.....	4 00	27 50
3 to 4 feet.....	5 50	45 00

Arborvitae, Chinese. (Biota orientalis.) Foliage deep green. Pyramidal outline like our native Arborvitae, but the texture of the foliage is more delicate.

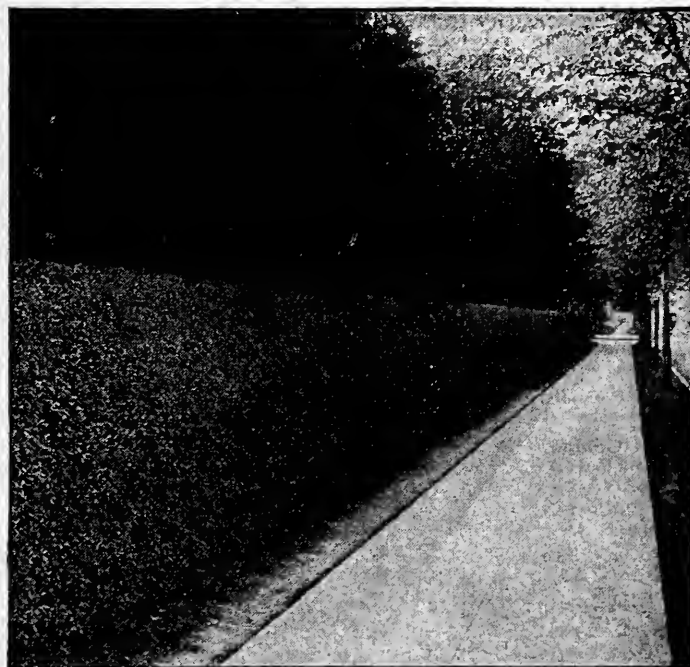
	Each	10
2 to 3 feet.....	\$2 50	\$17 50
3 to 4 feet.....	4 00	27 50
4 to 5 feet.....	5 50	37 50
5 to 6 feet.....	6 50	47 50

Arborvitae, Fern-like. (T. occidentalis filicoides.)	Each	10
3 to 4 feet.....	\$5 00	\$35 00
4 to 5 feet.....	6 00	47 50

Arborvitae, Pyramidal. (T. pyramidalis.)		
3 to 4 feet.....	4 00	27 50
4 to 5 feet.....	6 00	37 50

Arborvitae. (T. compacta.) 12 to 18 inches.....	1 00	9 00
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Cedar, Blue Virginia. (Juniperus glauca.)		
4 to 5 feet.....	6 00	45 00
5 to 6 feet.....	7 00	57 50



A Neat Hedge of *Ligustrum Ovalifolium* (California Privet)

PARCEL POST.

Prices of Thunberg's Barberry:

	Each	10	100	1,000
6 to 8 inch.....	\$0 15	\$1 35	\$12 00	\$75 00
8 to 12 inch.....	20	1 75	16 00	85 00
12 to 18 inch.....	25	2 50	20 00	135 00
18 to 24 inch.....	35	3 70	25 00	175 00
2 to 3 feet.....	75	7 00	40 00	300 00

Purple-leaved Barberry. The habit of growth is similar to all the Barberries, but the foliage is strongly tinted with purple. 2 to 3 ft., \$1.50 each, \$8.00 for 10.

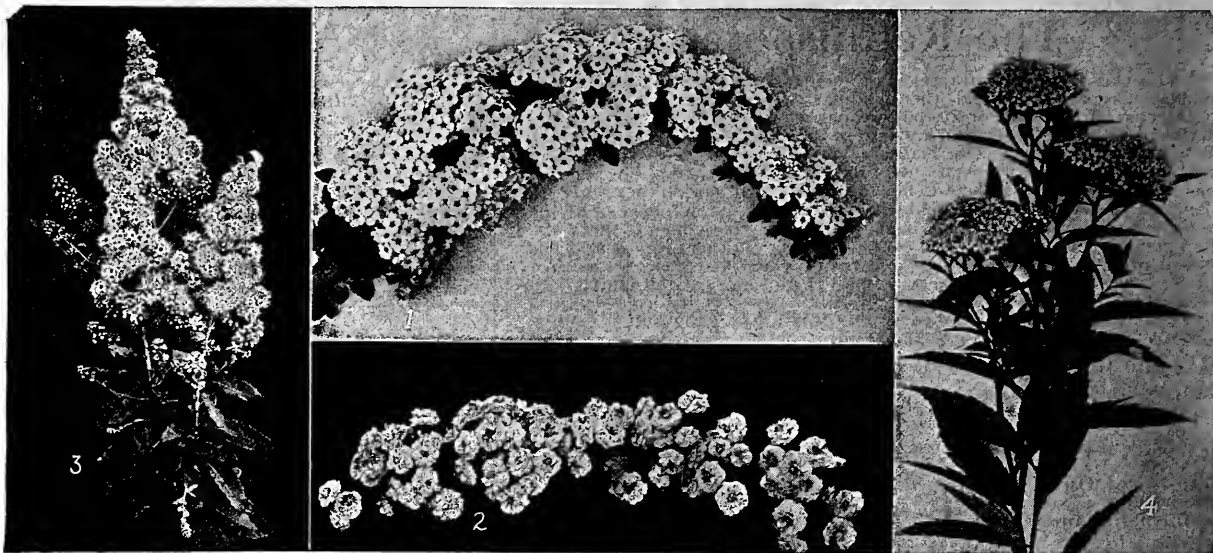
The Spireas include a great variation in flower and foliage effects.

No. 1 represents the type of flowers produced by the varieties Van Houttei and Reevesiana.

No. 2 is the old-fashioned Bridal wreath.

No. 3. Flowers of this type are borne by varieties Billardi, Billardi alba, Douglasi, Salicifolia and Tomentosa. They differ in color.

No. 4 represents flowers of varieties Bumalda and Anthony Waterer.



Ornamental Flowering Shrubs

No ornamental plants possess such a wide range of usefulness as flowering shrubs.

They may be planted in masses, borders, or as individual specimens. The lower growing varieties make a much better effect in masses, for their beauty lies more in the volume of bloom than in the single flower. These low-growers are also best for border or hedge planting.

The tall sorts, and those with large, showy flowers, are more attractive when used as specimen plants. Among this latter class the Lilacs are perhaps the most representative.

Most of the different species of shrubs are hardy. In fact, all those in our list are perfectly at home in Harrisburg and for many miles north of the city.

Birch, Cut-Leaf. A superb lawn tree. Branches droop- Each Per 10
ing; foliage deeply cut. 6 to 8 feet.....\$3 00 \$23 50

Blue Spirea. (Caryopteris Mastacanthus.) A native of China. Grows 3 to 4 feet high. Flowers lavender-blue. 2 to 3 feet..... 1 00 6 00

Butterfly Bush. (Buddleia magnifica.) Large purplish flowers, slightly tinged with red. Plants often die to the ground in winter, but the roots are hardy. 2 to 3 feet.... 1 25 9 00

Carolina Allspice. (Calycanthus floridus.) Flowers reddish brown, sweetly scented; borne in early spring. Grows 4 to 6 feet high. 3 to 4 feet..... 1 00 6 00

Dogwood, White-flowering. (Cornus florida.) Large white flowers in May, before the leaves appear; foliage gray-green, turning to crimson in autumn. 3 to 4 feet.... 2 50 17 50
4 to 5 feet..... 3 00 22 50
5 to 6 feet..... 4 00 37 50

Dogwood, Variegated. (C. mascula variegata.) Green-and-white foliage. 2 to 3 feet..... 1 75 13 00

Dogwood, Golden-leaved. (C. Spaetbii aurea.) 3 to 4 feet..... 2 50 17 50

Elder, Fern-leaved. (Sambucus nigra laciniata.) Deeply cut foliage. 4 to 5 feet..... 1 00 7 00

Elder, Golden. (S. nigra aurea.) Bright yellow foliage. 4 to 5 feet..... 1 00 7 00

Deutzias

A family of profuse-flowering shrubs, that includes both dwarf and tall-growing varieties. The dwarf sorts are suited for planting in the foreground of the shrubbery border, while the upright-growing varieties serve very well in the background.

Deutzia, Double White. (Deutzia crenata candidissima.) Branches upright; foliage dull green; flowers double, pure white.

	Each	Per 10
4 to 5 feet.....	\$1 00	\$7 00
5 to 6 feet.....	1 25	9 00

D. Pride of Rochester. For general planting, and especially in this locality, this variety is considered best of the Deutzias. The flowers are large and double, white with a faint tinge of pink. It is a profuse bloomer.

	Each	Per 10
5 to 6 feet.....	\$1 25	\$9 00
6 to 7 feet.....	1 50	12 00

D. Crenata. Low-growing shrub, bearing white single bell-shaped flowers.

	Each	Per 10
4 to 5 feet.....	\$1 25	\$10 00
5 to 6 feet.....	1 50	12 00

Diervilla. Weigelas

An important group, indispensable for ornamental planting. They thrive in any soil; are strong growers and generally hardy. When young, of upright habit; growing with age into more graceful shrubs. Useful as specimens and desirable for groups or masses. In May or June the Weigelas are aglow with a wealth of flowers borne all along their branches, and some varieties flower sparingly even through the summer.

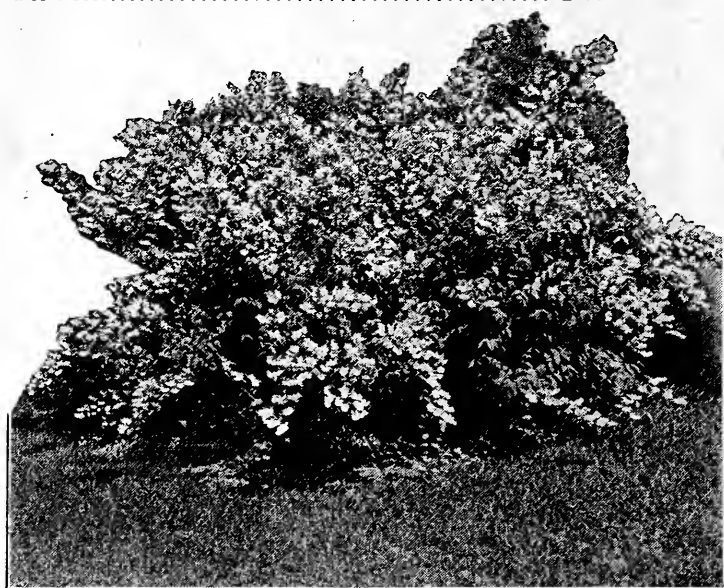
Weigela Alba. Flowers open clear white, but change to delicate pink. 2 to 3 feet.....\$0 75 \$6 00

Weigela rosea. Large, showy rose-colored flowers, produced freely in spring. 3 to 4 feet..... 75 6 00
4 to 5 feet..... 90 7 00

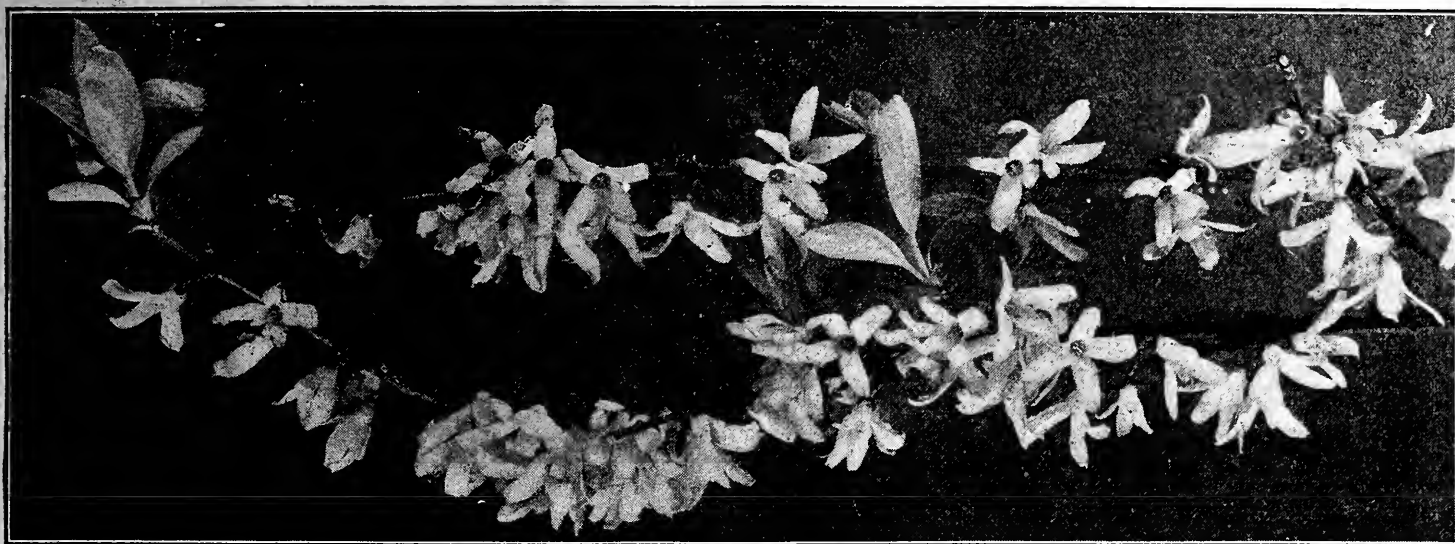
Weigela variegata. Foliage marked with yellow; flowers rose colored. 2 to 3 feet..... 75 6 00

E. Europaeus. (European Burning Bush.) Grows to considerable size; bears numerous rose-colored seed capsules in autumn.

3 to 4 feet.....	\$0 60
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Deutzia



Forsythia

Forsythia. Golden Bells

Familiar hardy shrubs that burst into bloom as winter is leaving. The bright, golden yellow, starlike flowers wrap themselves along the naked branches in a wealth of bloom that is especially bright and cheerful at such an early season.

	Each	Per 10
Golden Bell, Drooping. (<i>Forsythia suspensa</i> .)		
3 to 4 feet.....	\$1 00	\$ 7 00
Golden Bell, Fortune's. (<i>Forsythia Fortunei</i> .)		
3 to 4 feet.....	75	6 00
4 to 5 feet.....	1 00	7 00
Golden Bell, Dark Green. (<i>Forsythia viridissima</i> .)		
3 to 4 feet.....	75	6 00
Golden Chain. (<i>Laburnum vulgare</i> .)		
8 to 10 feet.....	1 75	13 00

Lonicera. Honeysuckle

Lonicera Morrowii. (Japanese Bush.) A vigorous shrub bearing an abundance of white flowers. In autumn numerous scarlet berries make their appearance.

	Each	Per 10
3 to 4 feet.....	\$0 75	\$6 00

Kerria

Kerria japonica fl.-pl. Showy double yellow flowers; vigorous-growing plant.

3 to 4 feet.....	\$1 25	\$8 00
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Hibiscus. Althea, or Rose of Sharon

These shrubs are very desirable on account of their blooming all summer. In the varieties mentioned below many of the different colors are represented.

Rose of Sharon. (*Althaea frutex*, or *Hibiscus syriacus*.) There are double and single-flowered forms in varying colors. We offer a mixture that will be of great value for hedge planting or massing.

3 to 4 feet.....	\$1 00	\$6 00
4 to 5 feet.....	1 25	7 00

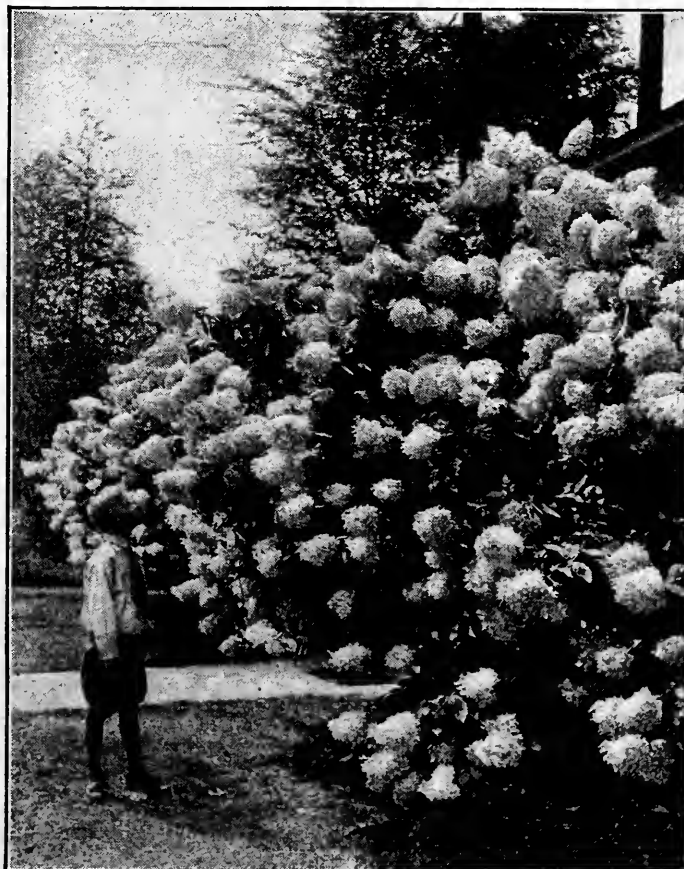
Hydrangeas

Hydrangea, Large-flowered. (*Hydrangea paniculata grandiflora*.) A beautiful shrub; blooms from late July to October. Color white, changing to pink or purple. A desirable shrub for planting as a single specimen on the lawn, for massing in the border, or for hedges or screens. Hardy and adaptable to northern localities, to seashore planting, and other exposed places where most shrubs fail to thrive and eventually succumb to the severe conditions. The fact that this *Hydrangea* is found in a multitude of situations proves that it is one of our most adaptable shrubs, and will be at home almost anywhere.

	Each	10
3 to 4 feet.....	\$1 75	\$12 00

Hydrangea arborescens grandiflora. Often called "Snow-ball Hydrangea," or "Hills of Snow." Blooms snowy white; begins to flower in June and continues to September. Prefers a moist, shaded position.

	Each	10
2 to 3 feet.....	\$1 00	\$16 00



Hydrangea

Philadelphus. Mock Orange

MOCK ORANGE, Common (*Philadelphus coronarius*). Flowers creamy white and deliciously fragrant; produced very freely. A desirable shrub.

3 to 4 feet.....	75	\$6.00
4 to 5 feet.....	1 00	7 00

Mock Orange, Golden (*P. coronarius aureus*). Similar to the preceding, but with yellow foliage.

3 to 4 feet.....	1 00	6 00
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Mock Orange, Lemoine's (*P. Lemoine*). Pure white, sweetly fragrant. Flowers literally cover the branches.

4 to 5 feet.....	1 00	7 00
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Mock Orange, Gordon's (*P. Gordonianus*). A native of Oregon and Washington. Flowers white, in racemes; blooms later than other varieties.

3 to 4 feet.....	75	6 00
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R. COTINUS. (Smoke Tree.) A curious small tree bearing numerous smoke colored flowers. The leaves are pea-green and golden. A very unique lawn shrub.

4 to 5 feet.....	1 00	7 00
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Spirea

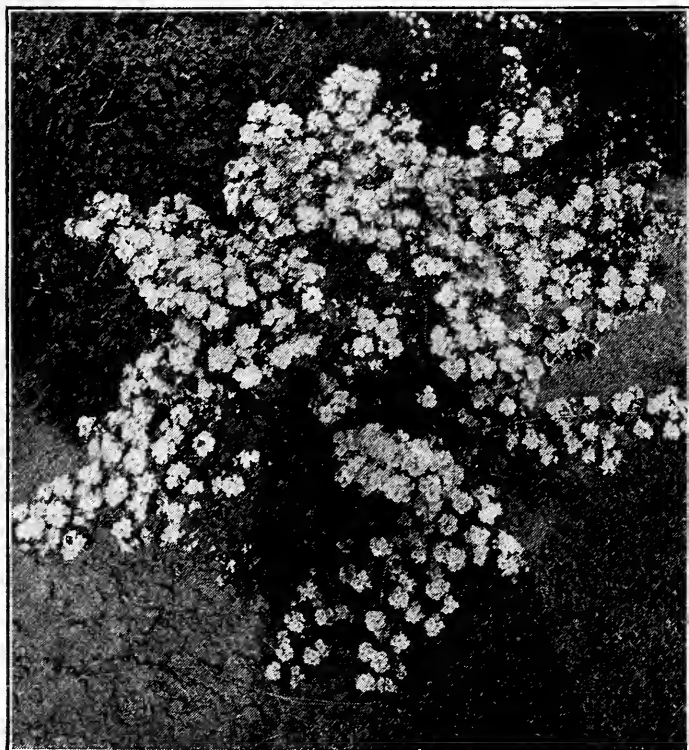
Indispensable shrubs of easy culture that differ so in size, character and time of bloom that there are varieties suited for almost every purpose. This group includes some of the most popular old-fashioned shrubs. The summer-flowering varieties are particularly valuable because they are attractive when few other shrubs are in flower. All varieties do best in moist, fertile soils and sunny exposures.

ANTHONY WATERER. A dwarf variety rarely exceeding a foot in height. From June until frost it is a solid mass of crimson flowers.

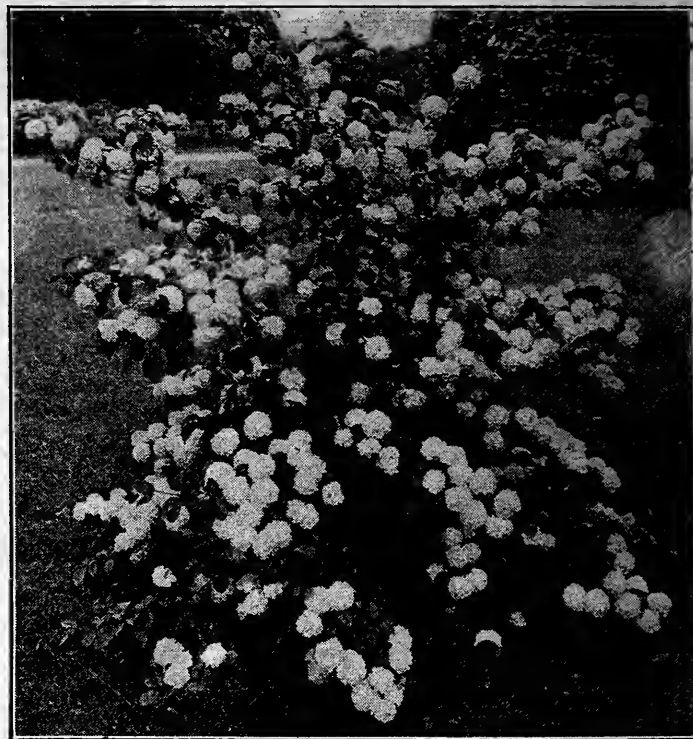
	Each	Per 10
1½ to 2 feet.....	75	\$6 00
Spiraea aurea. 2 to 3 feet.....	75	6 00

Spiraea callosa alba. Fortune's White Spirea. One of the best of the dwarf shrubs. 2 to 3 feet.....

75	6 00
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Philadelphus Lemoinei (Mock Orange)



Viburnum Tomentosum Plicatum (Snowball)

S. THUNDERGH. A graceful grower, bearing dense clusters of pure white flowers in early spring.

	Each	Per 10
2 to 3 feet.....	75	\$6 00

S. VAN HOUTTEL. Useful bush, growing to about 6 feet. The flowers are pure white. This variety is equally valuable for planting either as specimen or in hedges.

	Each	Per 10
3 to 4 feet.....	75	\$6 00
4 to 5 feet.....	\$1 00	7 00

Syringa. Lilacs

S. VULGARIS. (Common Lilac.) This class of Lilacs is more largely planted than any other. Several colors are found in the different varieties—white, light purple, dark purple, etc.

	Each	Per 10
3 to 4 feet.....	\$1 25	\$8 00

COMMON PURPLE. Grows to about 3 feet and bears numerous large double purple flowers.

	Each	Per 10
3 to 4 feet.....	\$1 25	\$6 00

PRESIDENT GREVY. Bears large panicles of single flowers.

	Each	Per 10
3 to 4 feet.....	\$2 00	\$15 00

SOUVENIR DE LUDWIG SPAETH. Bears huge clusters of intense deep purple flowers. One of the best of the purple lilacs.

Each, \$2.00	Per 10, \$15.00
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Viburnum. Snowball

SNOWBALL (*Viburnum molle*). Darker green foliage and stronger growth than the Arrow-wood.

	Each	Per 10
3 to 4 feet.....	\$2 00	\$15 00

Snowball, Japanese (*V. plicatum*). The globe-like clusters of blooms are pure white and from 3 to 4 inches across.

2 to 3 feet.....	\$2 00	\$15 00
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SNOWBERRY (*Symphoricarpos racemosus*). Flowers pinkish or white; berries white, remaining nearly all winter.

2 to 3 feet.....	\$1 00	\$7 00
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Clematis Paniculata

Hardy Vines and Climbers

On the home-grounds vines fill a distinct need. The pergola, the trellis, the fence, unsightly dead tree trunks or banks need covering. Wherever they can run or climb, vines will transform the place and beautify the surroundings to a degree greatly in excess of their cost.

Those in this list can be recommended without hesitation or explanation. They are all good, no uncertain ones included.

Ampelopsis

AMPELOPSIS QUINQUIFOLIA. (Virginia Creeper.) A handsome vine which grows to considerable height. The leaves are large, green in summer, changing to scarlet in fall. Excellent for arbors, trellises and walls.

	Each	Per 10
3 year old field grown.....	1 00	\$9 00

A. VEITCHII. (Japanese or Boston Ivy.) A quick-growing vine, bearing clusters of small purplish blue berries. The leaves are large, green in summer, changing to golden yellow in fall.

	Each	Per 10
12. to 18 inches.....	75	\$6 00

Clematis

CLEMATIS PANICULATA. A strong-growing vine with light green foliage. In late summer it bears numerous fragrant white flowers. This vine is one of the best in our list.

	Each	Per 10
Strong Plants.....	1 00	\$8 00

C. JACKMANI. Considered the most popular variety of Clematis Hybrids. In early summer the vine bears numerous large purple flowers.

	Each	Per 10
Strong plants.....	1 00	\$8 00

Euonymus

EUONYMUS RADICANS. A hardy trailing vine with dull green leaves. Not so much adapted to covering walls as to covering exposed places along the ground, such as stumps and rocks. Will stand pruning.

	Each	Per 10
2-year field grown.....	1 50	\$11 00

Lonicera. Honeysuckle

L. HALLEANA. (Hall's Japan Honeysuckle.) A strong-growing vine bearing fragrant flowers all summer. Foliage is half evergreen.

	Each	Per 10
2-year field grown 2 to 3 feet.....	1 00	\$6 00

Aristolochia. Dutchman's Pipe

A. SIPHO. Dutchman's Pipe. Dark, broad, rich green leaves. The flowers are shaped much like a pipe. One of the best screening vines. Thrives in heavy soil and smoky localities. Pot-grown, \$1.00 each; large plants, \$1.50 each.

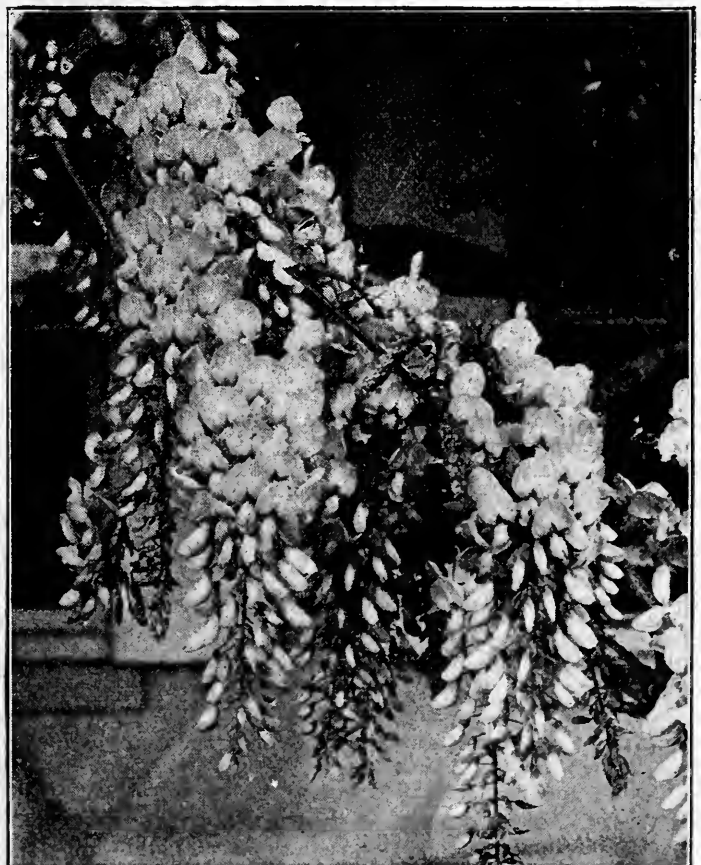
Wistaria

WISTARIA CHINENSIS. (Chinese Wistaria.) The leaves are medium sized, pale green, and quite numerous. The flowers are sky-blue, borne in long clusters in early summer.

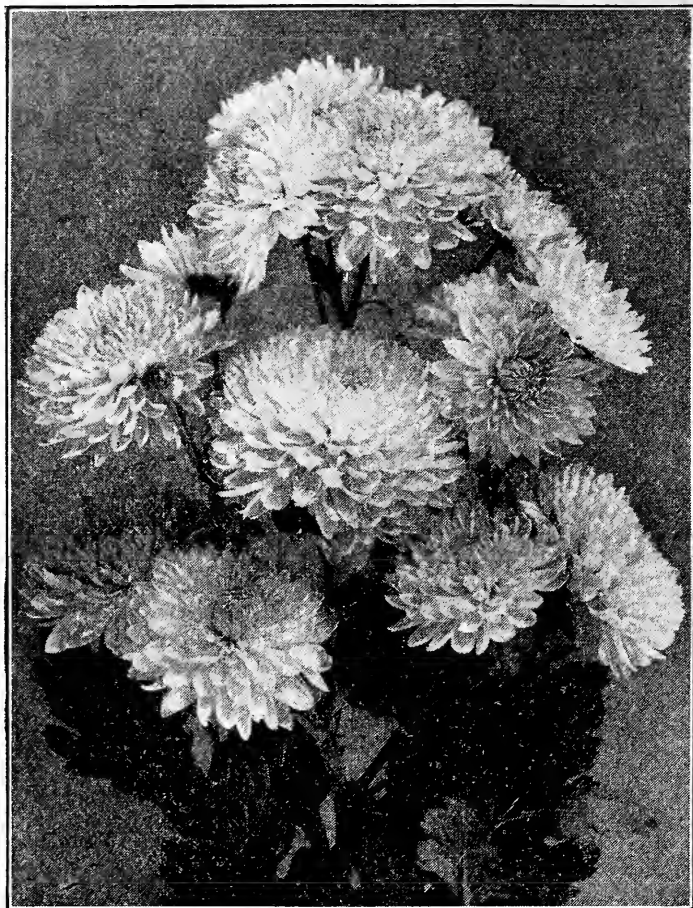
	Each	Per 10
3 to 4 feet, strong, stocky plants.....	\$1 50	\$12 00

WISTARIA CHINENSIS ALBA. (White Chinese Wistaria.) In many respects similar to the preceding except that the flowers are white.

	Each	Per 10
2 to 3 feet.....	\$1 50	\$12 00



Wistaria Chinensis



Chrysanthemum

Hardy Perennials

This class of plants, familiarly known as old-fashioned hardy garden flowers, has come into public favor in recent years so rapidly as to astonish even the most sanguine enthusiast. Their popularity is not at all surprising when we consider the many varied and pleasant changes which take place throughout the entire growing season in a well-arranged hardy border, in which every week, yes, almost every day, brings forth something fresh and new.

25 cts. each; \$2.50 per doz., except where noted.

ACHILLEA Ptarmiciflora Pleno. (The Pearl.) Large clusters of pure white flowers blooming all summer. Excellent for cut flowers.

ANEMONE Japonica. (Japanese Wind Flowers.) Very pleasing perennials, beginning to bloom in early August and continuing until cut down by hard frost. The varieties in our list contain many different colors.

ANEMONE Alba. Snow-white.

A. QUEEN CHARLOTTE. Large double flowers of silvery pink; extremely beautiful.

Each, 30 cts.; per doz., \$3.00.

ALYSSUM SAXATILE COMPACTUM. (Golden Tuft.) 1 foot. One of the brightest spring flowers. Excellent plant for rockery or border. Flat heads of yellow flowers in April and May.

AQUILEGIA Vulgaris. A double flowering form. Violet-blue.

AQUILEGIA Arabis Alpina. (Rock Cross.) A very low-spreading plant, completely covered with pure white flowers in April and May. Indispensable for rockeries, etc.

AQUILEGIA Baptisia Australis. (False Indigo.) Spikes of dark blue flowers, about 2 feet high in June and July. A splendid, strong-growing plant, with deeply cut foliage.

BOLTONIA ASTEROIDES. 5 feet. In their season the Boltonias are one of our showiest herbaceous plants. They resemble the aster in form, but bloom earlier and more profusely. White. August to September.

CAMPANULA MEDIUM. (Canterbury Bells.) May and June. 3 feet. Large bells in panicles in shades of blue, pink and white.

COREOPSIS LANCEOLATA GRANDIFLORA. 3 feet. June to September. One of the most popular hardy plants. The flowers are a rich golden-yellow and invaluable for cutting; the main crop comes during the latter part of June, but it continues in bloom the entire summer and autumn.

Hardy Pompon Chrysanthemums

These beautiful hardy sorts are indispensable in the hardy border. Their bright colors give life to the garden during October and November, when most other plants have been destroyed by frost. They grow 18 to 24 inches high.

Prices of all varieties, unless otherwise noted, 15 cts. each, \$1.50 per doz.

Among the foremost may be mentioned:

Brown Bessie. Deep bronze aster type.

Daisy Anderson. Early delicate pink.

Excelsior. Deep yellow.

Jules Legrave. Large garnet, aster flowering.

Little Dot. Very early, mahogany crimson. Small button variety.

Lucifer. Large bright bronze.

Lillian Doty. Large incurved pink.

William Pitcher. Large cactus white. 25c each; \$2.50 per doz.

CHRYSANthemum, "Shasta Daisy." 1½ to 2 ft. A Burbank production of merit. Large, white. June to September.

DIANTHUS BARBATUS. 1½ to 2 feet. The perennial garden is not complete without some of these attractive old-fashioned plants. In May and June they flower in clusters of red, pink, white and many pretty variations.

DELPHINIUM. Larkspur. One of the finest sights of modern gardens is a good collection of blooming Larkspurs. The tall, rich, showy flowers have been in hardy gardens for years. Good for cutting. We have some excellent strains.

D. elatum. (Gold Medal Hybrids.) Improved strains of English Larkspur. 35c each.

D. formosum. 3 ft. Indigo. A favorite shade. June to August. 35c each.

D. Belladonna. The freest and most continuous bloomer of all; clear turquoise-blue. 35c each. \$3.50 per doz.

HELIANthus. Perennial Sunflower. The perennial Sunflowers, without exception, are good for cut-flowers. They have not the large, coarse heads of the common, annual Sunflower. All the double Sunflowers resemble yellow dahlias.

H. laetifolius. Large single yellow flowers with downy foliage. 4 to 5 ft. Blooms August and September.

LUPINUS. Lupine. These are popular because of their bright display of color. Give fine effect massed in the border.

L. polyphyllus. Purple Lupin. 2 to 3 ft. Very bold growth. Purple. May and June. 25c each.

LYCHNIS. This genus includes such old friends as the Mullein Pink, Ragged Robin, Maltese Cross, Scarlet Lightning, Flower of Jove and others. All showy, reliable garden plants.

L. Chalcadonica. Scarlet Lightning. 3 to 3½ ft. A mass of it is a wonderful sight. Vivid scarlet. July.

L. diurna rubra fl.-pl. 1 ft. Quite different from the foregoing. Double rosy red. June and July.

L. Flos-cuculi. Ragged Robin. 1 to 1½ ft. Very showy in masses. Pink. June.

L. Viscaria splendens. Catchfly. 1 to 1½ ft. Red. July.

Any of the above Lychnis, 30c each.

PERENNIALS—Continued

GAILLARDIA GRANDIFLORA. (Blanket Flower.) 2 feet. This plant is at home in any soil, and has qualities that make it a leader among herbaceous plants. Good for cutting. Its gorgeous colorings of scarlet, crimson and vermilion stand out in a bright, attractive way when planted among other perennials in the border. Flowers continuously from June until frost.

GYPSOPHILA PANICULATA. A beautiful old-fashioned plant, possessing a grace not found in any other perennial. It forms a symmetrical mass, 2 to 3 feet in height, and as much through, of minute, pure white flowers, having a beautiful, gauzelike appearance. For cutting purposes it is exquisite. August and September.

HELENIUM, RIVERTON BEAUTY. New. 3 to 4 feet. Flowers lemon-yellow, with a large, purplish black cone. August to September.

Fleur-de-Lis. Iris

FLEUR-de-LIS IRIS. 10 distinct choice and rare varieties. 30 cents each \$3.00 per doz. Order by color.

Kaempferi. Japanese Iris

KAEMPFERI, Japanese Iris. 10 distinct choice and rare varieties. 35 cents each, \$3.50 per doz. Order by color.

HIBISCUS. Mallow. Hibiscus is best adapted for planting in a damp place, along streams, or in positions where a large, showy plant is required.

H., Red Marvels. Bright red; very showy.

H., Pink Marvels. Soft shades of pink.

H., White Marvels. White and very pale-tinted kinds.

Any of the above Marvels, 2-year roots, 75c each, \$7 per doz.

HOLLYHOCK. The stately Hollyhock is increasing in popularity. The Allegheny Strain has prettily fringed edges. It was in great demand when introduced a few years ago, and the supply was quickly exhausted; but we now have a good supply. All kinds flower from June to August and grow 6 to 8 ft.

H., Double. Rosette flowers in white, pink, red, maroon and yellow. 30c each, \$3 per doz.

H., Allegheny. Beautiful flowers in all colors—not separate. 30c each, \$3 per doz.

LOBELIA cardinalis. Cardinal Flower. 1½ ft. Most brilliant of all flowers. Might be termed, "Hardy Scarlet Sage." Loves moisture. Bright scarlet spikes. August. 30 cents each.

MONARDA. Bergamot, Oswego Tea, or Bee-Balm. A real old-fashioned favorite. We list the best only.

M. didyma splendens. 2 to 3 ft. Bears curious-looking ragged flower heads. Scarlet. July and August.

MYOSTIS palustris semperflorens. Forget-me-not. 6 in. Likes moisture. Blue. April to July.

Six Plants of the same variety supplied at five times the price of one, where dozen rates are not quoted.

Hardy Garden Phlox

For all-around reliability the Phlox is not out-done by any other hardy perennial.

ANNIE COOK. Flesh pink.

B. COMPTE. Medium, Brilliant French-purple with crimson carmine shadings.

ELIZABETH CAMPBELL. Medium. Very light salmon-pink, with lighter shadings and dark crimson eye. The most popular Phlox grown today.

FERNAND CORTEZ. Tall. Deep crimson with much darker center, giving a bronze effect.

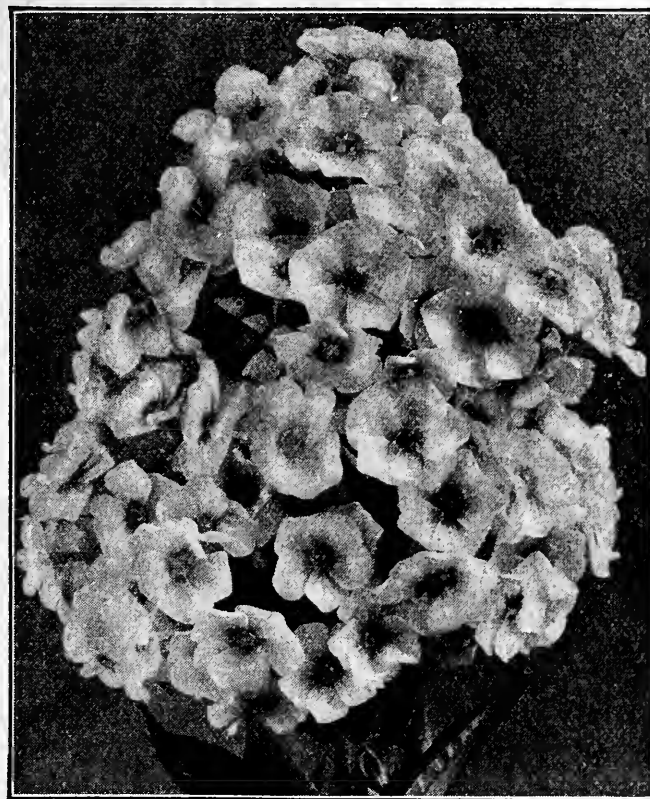
GENERAL VON HEUTSZ. Brilliant salmon.

LA VAGUE. Clear pink, vermilion center.

MME. MEURET. Flame color, carmine center.

MRS. JENKINS. Tall. The best tall early white for massing.

PANTHEON. Brilliant carmine-rose.



Phlox

QUEEN. Good pure white.

RYNSTROM. A great improvement on the popular variety. Pantheon; of the same carmine-rose color as the Paul Neyron rose.

R. P. STRUTHERS. Tall. Salmon pink with crimson center.

THOR. Dwarf. A most beautiful and lively shade of deep salmon-pink, suffused and over-laid with a scarlet glow.

TOLSTOI. Coppery amaranth, carmine red reflex and blood-red center.

WM. RAMSEY. A fine deep crimson.

30 cents each. \$3.00 per dozen.

PHYSOSTEGIA VIRGINICA. (Obedient Plant.) 3 feet. A splendid summer-flowering perennial, with long spikes of showy soft, pink flowers, valued for bouquets.

PLATYCODON GRANDIFLORA. (Balloon Flower, or Chinese Bell-Flower.) 2 feet. The attractive blue flowers are cup-shaped. Blooms during the entire summer and is useful for the front of the border.

RUDECKIA LACINIATA FL. PL. (Golden Glow.) 5 to 6 feet. From July to September the tall stems are aglow with golden-yellow, dahlialike flowers.

STATICE LATIFOLIA. (Sea Lavender.) Great, airy panicles of lavender-colored flowers all summer. A dwarf plant, with flower spikes about 18 inches high.

STOKESIA CYANEA. (Cornflower Aster.) 1½ to 2 feet. This perennial is esteemed for its all-round good qualities. Grows very vigorously; has large, blue, asterlike flowers, which measure 1½ to 2 inches across. August and September.

Any of above 25 cts. each, \$2.50 doz.

Uvaria Grandiflora. Tritoma

(Red-Hot Poker.) Large brilliant crimson spikes borne on stalks 3 to 4 feet high; blooms in late summer and autumn.

VALERIANA officinalis. Hardy Heliotrope. 2 to 2½ feet. Has a peculiar strong fragrance. Rose-pink. June and July. 35c each.

VINCA minor. Periwinkle, or Myrtle. One of the best evergreen ground covers. Blue flowers. April and May trailing.

FRUIT TREES

So many people have inquired of us for fruit trees, that this year we have added to our catalogue a long list of Apples, Peaches, Pears, etc. Of course, there are many varieties of each that are not given here, but we don't care to deviate from our usual custom of selling only what we know to be all right. There is not a fruit listed in this catalogue that we would not plant ourselves. Therefore, any selection you make from those given here may be fully relied on. They are tested and tried sorts, and the kinds that always "make good," whether it be in the home garden or commercial orchard.

All Fruit Trees are f. o. b. Nursery, and purchasers must pay freight or express charges.

Apples

Prices of Two-Year Budded Apple Trees:	Each	Per 10	Per 100
2 to 3 feet.....	\$0 60	\$ 5 00	\$40 00
3 to 4 feet.....	70	6 00	50 00
4 to 5 feet.....	1 00	9 00	60 00
5 to 6 feet.....	1 25	10 00	65 00

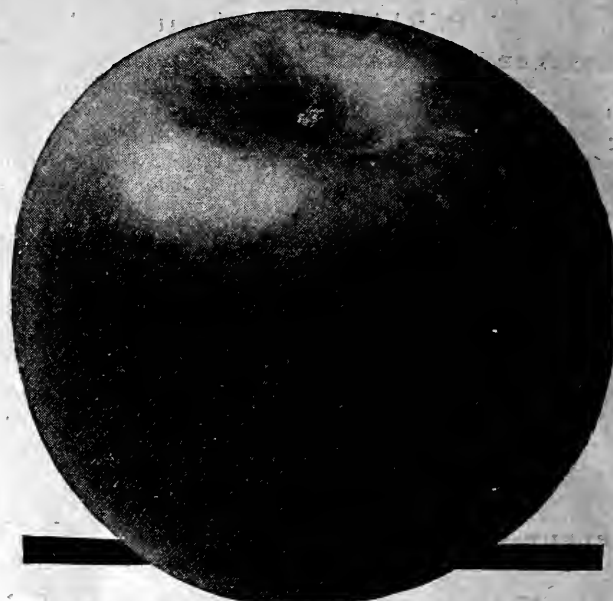
WILLIAMS. (WILLIAMS' EARLY RED.) Summer. A reddish Apple of large size; flesh is tender, juicy, and possesses a pleasing flavor.

YELLOW TRANSPARENT. Summer. A handsome Apple that grows well all over the country. Fruit is large; skin is yellowish; flesh is tender, juicy, and possesses a good flavor.

GRAVENSTEIN. Fall. A perfect fruit with a handsome yellowish skin striped with red. The flesh is yellow, firm, juicy, of excellent quality; flavor palatable.

GRIMES. (GRIMES GOLDEN.) Fall. A large size Apple, with golden yellow skin dotted gray. The flesh is tender, juicy, crisp and the flavor is good. The tree is hardy and productive.

McINTOSH. (McINTOSH RED.) Fall. This is a bright red Apple with white flesh, slightly pink towards the core. Flesh is juicy and has a subacid flavor. It will keep a long time and requires no special storage. McIntosh is hardy anywhere and does very well in this section.



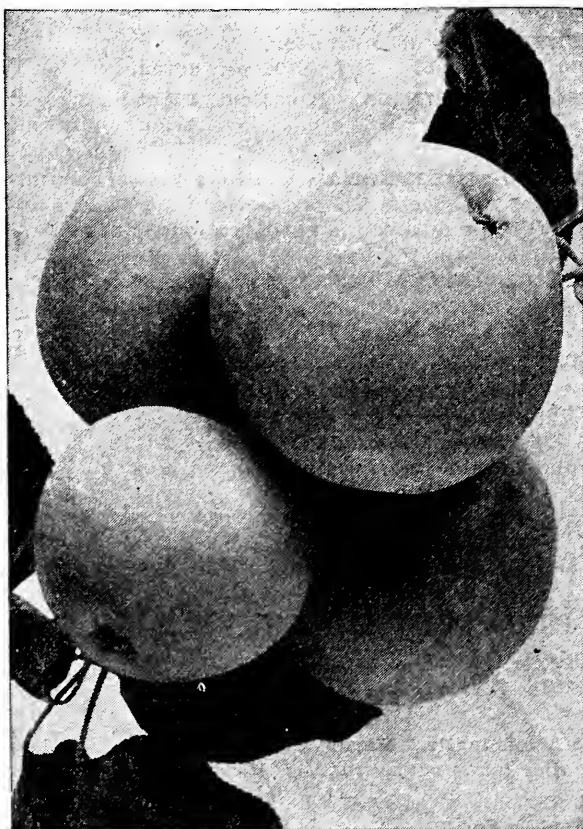
Stayman Winesap is a very delicious Apple

YORK IMPERIAL. Winter. This is one of the most important commercial Apples grown. Its size is medium. The skin is white, with a reddish shade. The flesh is firm, crisp and juicy; flavor is pleasant and mild. The tree is vigorous and productive. Seems to do well wherever planted.

WINESAP. Winter. Wherever you see a good commercial or home Apple orchard you will find Winesap, for it grows practically anywhere north of Maryland. The fruit is of medium size, with a dark red skin; flesh is a creamy white, tender, crisp and juicy. Winesap belongs in a class by itself, for it will stand shipping long distances without losing any of its selling value. The tree is a strong grower, bears well and does it every year.

DELICIOUS. Winter. This Apple can be told anywhere on account of its shape. It is oblong, quite full at the stem, but at the blossom end it is deeply notched. In quality, Delicious is considered one of the best for commercial orchards. The fruit's color is brilliant dark-red, shading to yellow at the blossom end. The flesh is perhaps the best keeping Apple you can find.

STAYMAN WINESAP. Winter. The only reason we can see why this Apple is not planted more extensively in every orchard all over the country is because it is not well enough known. Frankly, we can think of no other Apple that possesses more of every good quality than does the Stayman Winesap. Its size is large, nearly round; has a very high red color and a pleasing appearance. The flesh is white, very fine quality, juicy, and flavor is one of the best. If you have room for only a few trees, plant Stayman Winesap. If you grow for market you can't afford to overlook this variety. It is a moneymaker.



Peaches

One-Year Trees:	Each	Per 10	Per 100
1 to 2 feet.....	\$0 50	\$3 75	\$27 50
2 to 3 feet.....	60	4 75	32 50
3 to 4 feet.....	70	5 50	37 50
4 to 5 feet.....	85	6 50	45 00
5 to 6 feet.....	1 00	7 50	50 00

GREENSBORO. Ripens June 25 to July 10. It is yellow, with a crimson cheek; flesh is white, juicy and sweet. It is extra large for an early Peach, and on account of its firmness is considered one of the best commercial sorts. Freestone.

CARMEN. Ripens July 20. A favorite variety with many growers, for it usually produces excellent prices wherever sold. The fruit is large, pale yellow with crimson cheek. The flesh is tender, creamy white, possessing a spicy flavor. Freestone.

CHAMPION. Ripens August 1. A large Peach with creamy white skin and red cheek. The flesh is white. The flavor is sweet and very high in quality. Champion is an excellent shipper. Freestone.

BELLE. (BELLE OF GEORGIA.) Ripens August 5. A large showy fruit, with white skin and reddish cheek. The flesh is white, firm and delicious; extra high quality. This is one of the standard market varieties for the east. Freestone.

RAY. An extra large Peach of excellent form. The skin is yellowish, nearly all overlaid with red. The flesh is white and firm. The quality is high and desirable in every way. It ships well and arrives at distant markets in excellent condition. Freestone.

Yellow Transparent is one of the best summer Apples

FREIGHT OR EXPRESS CHARGES MUST BE PAID BY PURCHASER



Carman Peach is a great favorite

Peaches—Continued

ELBERTA. Ripens August 20. This is a favored variety with many of our leading commercial growers. The fruit is large, yellow with reddish cheek. The flesh is firm, yellow, juicy, flavor is very high, and quality is excellent. Freestone.

LATE CRAWFORD. Ripens September 5. One of the leading late-varieties. Is large in size; skin is yellow with red cheek. Flesh is yellow, juicy, possessing a rich flavor. Excellent for either market or home planting on account of its late ripening period. Is considered one of the leading late Peaches. Freestone.

Pears

	Each	Per 10	Per 100
2 to 3 feet.....	75	\$5 00	\$35 00
3 to 4 feet.....	85	6 00	40 00
4 to 5 feet.....	1 25	7 50	50 00
5 to 6 feet.....	1 50	9 00	55 00

BARTLETT. Summer. A handsome golden yellow fruit. Very popular with everyone who grows Pears. The fruit is large and shapely. The flavor is melting and sweet.

DUCHESS. (Angouleme.) A large fruit of excellent quality. Flavor very pleasing, melting and buttery. Tree bears when quite young.

SECKEL. While not as large as some other varieties, Seckel makes up for this deficiency by its excellent flavor and high quality. The flesh is very juicy and the tree is a low grower. For either home or market use Seckel is an excellent variety.

KIEFFER. This Pear is the one that is grown perhaps more extensively than any other one variety that we can think of. Its size is large and the fruit possesses a sweet flavor. The flesh is rather coarse. Kieffer is one of the best for general planting. We have a special price on Kieffer trees.

Cherries

	Each	Per 10	Per 100
3 to 4 feet.....	1 00	\$7 50	\$50 00
4 to 5 feet.....	1 25	8 50	55 00
5 to 6 feet.....	1 50	12 00	65 00

SOUR VARIETIES

MONTMORENCY. Red. Very large in size. The flesh is solid, juicy, with rich acid flavor.

RICHMOND. Red. This fruit ripens quite early. Tree is thrifty and bears heavily; fruit medium sized.

SWEET VARIETIES

SPANISH. Red. Flavor sweet and delicious.

TARTARIAN. Black. Flavor sweet and pleasing.

Plums

	Each	Per 10	Per 100
3 to 4 feet.....	25	\$7 50	\$50 00
4 to 5 feet.....	1 25	8 50	55 00
5 to 6 feet.....	1 50	11 00	65 00

ABUNDANCE. Very large, amber color, Flesh juicy; flavor sweet.

SHROPSHIRE DAMSON. A green variety possessing a pleasing flavor.

ITALIAN. Purple. An excellent sort for either home or market use.

RED JUNE. Red. Very large. Flesh firm; flavor delicious.

Quinces

	Each	Per 10
3 to 4 feet.....	1 25	\$8 50

CHAMPION. Large to very large. Fruit oval in shape, bright yellow. Flesh tender, and of excellent quality.



Elberta is one of the best Peaches for either market or table

SMALL FRUITS

Grapes

Strong Two-Year Vines			
Each	Per 10	Per 100	
35	\$3 00	\$20 00	

CONCORD. A fine black variety with a splendid juicy flavor. This is considered the best market grape, as it is one of the best keeping varieties. If you plant only one variety, be sure to get Concord.

NIAGARA. White. Berries are good-sized and borne in large bunches. The flesh is pulpy, tender and very sweet. Niagara is the standard white grape. Be sure to plant some this year.

Blackberries

ELDORADO. Medium size berries. Jet black in color; flavor is pleasant, melting and sweet.

Each	Per 10	Per 100
30	\$2 50	\$15 00

EARLY HARVEST. Extra large berries, glossy black; flesh firm and of excellent quality.

Currants

FAY'S PROLIFIC. Beautiful, bright red berries borne in large clusters. Flavor excellent, mild, subacid.

Each	Per 10	Per 100
35	\$3 00	\$20 00

WILDER. Red. Fruit has an excellent flavor.

Dewberry

LUCRETIA. Really a trailing blackberry, but better in quality than any blackberry. Black in color, large and handsome. Flavor excellent.

Each	Per 10	Per 100
35	\$2 50	\$15 00



It takes but a few Berries like these to make a good shortcake.

Gooseberry

DOWNING. A large handsome berry of excellent quality for either dessert or cooking purposes.

Each	Per 10	Per 100
75	\$5 00	\$28 00

Raspberries

CUMBERLAND. An excellent quality Raspberry, ripening in mid-season. The berries are large, firm and ship well. The Cumberland is considered one of the best of all black Raspberries.

CUTHBERT. Bright red berries of large size. Flesh firm with a true Raspberry flavor.

KANSAS. A new introduction that promises in time to eclipse all other black Raspberries. Its flavor is excellent; flesh is firm and meaty, and the vine is prolific. You will make no mistake if you plant Kansas.

Each	Per 10	Per 100
35	\$2 50	\$15 00

Strawberries

BUBACH. An old favorite. The plants are strong growers and the berries are of large size.

100	250	500	1000
\$2 50	\$3 50	\$6 00	\$11 00

CHESAPEAKE. Widely planted because of its high value both for market and table.

100	250	500	1000
\$2 75	\$4 50	\$7 50	\$15 00

GANDY. A very late variety of high value. The berries are large, keep well, and the vines bear tremendous crops.

100	250	500	1000
\$2 00	\$3 25	\$5 50	\$10 00

PROGRESSIVE. Everbearing. Without doubt the greatest strawberry on the market. Bears fruit until November. Try it.

100	250	500	1000
\$3 50	\$6 00	\$9 00	\$15 00

SUPERB. Everbearing. A good companion for Progressive. Berries are extra large, handsome and delicious.

100	250	500	1000
\$3 50	\$6 00	\$9 00	\$15 00



Montmorency Cherries are great, big fellows

Holmes' Selected Hardy Roses

THE name of the Rose is an inspiration to garden-lovers and they are permanent guest in your garden or about your home. We take great care to include in our list only such varieties as are worthy of general cultivation, and are hardy.

WHEN TO PLANT.—We recommend spring planting. The plants offered are started in pots and ready to plant April 15th to July 1st.

LOCATION.—Roses require a good warm location and plenty of sunshine. In late fall hill up the earth eight inches high around the plants adding three inches of manure.

SOIL.—They will grow in any rich soil. A liberal supply of bone meal or other fertilizer with good cultivation will improve both flowers and fragrance.

Hardy Hybrid Tea Roses

The following list represents very careful selections. The range of color is complete, hardy, and true to name, monthly bloomers.

PRICES Any of the following strong two year old plants from pots, \$1.00 each, \$10.00 per dozen, except where otherwise noted. Strong one year plants from pots sixty cents each, \$6.00 per dozen, unless otherwise noted, by express.

AMERICAN BEAUTY

Very large and fragrant. Rather delicate, constitution requires especially well drained soil; rich crimson.

CAROLINE TESTOUT

Satiny pink, very large flowers. Excellent habit.

DUCHESS DE WELLINGTON

Intense saffron-yellow, changing to a coppery yellow as the flowers develop; fragrant and free flowering.

GRUSS AN TEPLITZ

Medium size, intense scarlet-crimson. Strong grower, sweet scented and persistent bloomer. One of the best roses.

GEORGEIOUS

Buds coral-red, shaded with yellow and rose, very beautiful.

HOOSIER BEAUTY

Rich dark red, fine bedder, and very hardy and fragrant.

HADLEY

Darkest velvet color, fragrant, and free flowering.

JONKEER J. L. MOCK

Greatly improved La France, imperial pink, wonderful keeping qualities. The flowers are of large size, perfect form and highly perfumed.

KILLARNEY QUEEN

Deeper pink than Killarney, producing strong stems and long pointed buds, very hardy.

KILLARNEY WHITE

White, slightly tinted pink, long pointed buds, free bloomer, and no doubt one of the best white roses.

KAISERINE AUGUSTA VICTORIA

Soft pearly white. Very fragrant and productive.

LADY HILLINGTON

Beautiful coppery shade of apricot-yellow, pointed bud, very free flowering.

LADY PIERRE

Deep copper reddish-salmon, flushed fawn and copper, an ideal variety.

LAURENT CARLE

Large, sweet scented brilliant carmine. A vigorous grower and persistent bloomer throughout the season.

LYON ROSE

The long buds are tipped coral-red and chrome-yellow at the base, very fragrant.

MY MARYLAND

Very free bloomer, flowers large and double, color bright salmon pink, should be in every collection.

MRS. B. R. CANT

Bright rose pink, a strong, healthy grower and productive.

MRS. AARON WARD

A remarkable floriferous variety of strong, vigorous, but compact, dwarf growth, pointed bud, full double flowers when open. Color a distinct Indian yellow, shaded lighter towards the edges.

MRS. CHARLES RUSSEL

Long pointed buds, dark rose-pink, one of the best keepers, very fragrant and beautiful.

MADAM CHRISTY MILLER

Exquisite silvery pink, one of the best varieties.

OPHELIA

Delicate shade of salmon-yellow, shaded with rose, floriferous and beautiful.

RADIANCE

An ideal bedding variety of remarkable free flowering habit of a brilliant rose-pink. One of the best garden roses, good keeping qualities.

RED RADIANCE

Rosy-crimson, vigorous and productive, except color same habit as Radiance.

RHEA REED

Strong grower, and prolific bloomer, carmine rose color. Should be in every collection.

SUNBURST

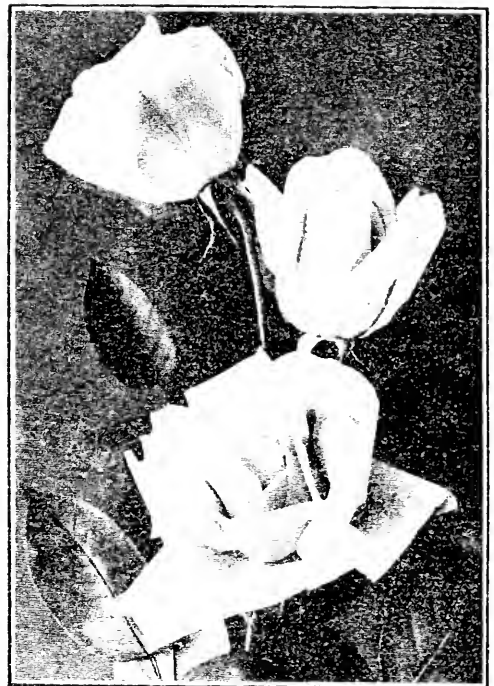
A superb rose, of good, vigorous habit, buds long, cup shaped. Color a rich yellow with orange-yellow center.

WILLOWMERE

Coral-red color, suffused with carmine in bud state, and opens to a large full flower of a rich shrimp-pink.

WILL R. SMITH

Creamy-white with rose shadings. Long pointed buds and an excellent bedder.



Hybrid Perpetual Roses

The following is the cream of a long list of June roses, most of which bloom twice and three times during the summer.

FRAU CARL DRUSCHKI

Pure white.

GENERAL JACQUEMINOT

Brilliant scarlet-crimson.

MRS. R. G. SHARMAN-CRAWFORD

Deep rosy pink.

MRS. JOHN LAING

Soft pink.

PAUL NEYRON

Dark rose; one of the best.

ULRICH BRUNNER

Bright cherry-red, very large.

Hardy Climbing Roses

Desirable for covering trellises, terraces, walls, or porches, as they succeed under almost all conditions.

AMERICAN BEAUTY CLIMBING

New climbing form of the famous pink rose, American Beauty; deep rosy carmine, double.

AMERICAN PILLAR

Single-flowering variety of great beauty, pink flowers borne in immense bunches.

CHRISTINE WRIGHT

Wild rose pink, large semi-double blooms.

CLIMBING ORLEANS

Improved crimson Rambler, with better foliage and very double.

DOROTHY PERKINS

Rapid grower, shell pink, very double and fragrant.

GARDENIA (HARDY MARSHAEL NEIL)

Rich buff-yellow when in bud. Strong grower, glossy foliage.

PHILADELPHIA RAMBLER

Similar to, but a little darker and better than, Crimson Rambler.

THOUSAND BEAUTIES (Tausendschon)

Fragrant, semi-double various shades of pink.

SILVER MOON

Extra large silvery white; single flowers, fine heavy foliage.

YELLOW RAMBLER

Attractive semi-double yellow flowers.

Dwarf Hybrid Monthly

Baby Roses

BABY RAMBLER

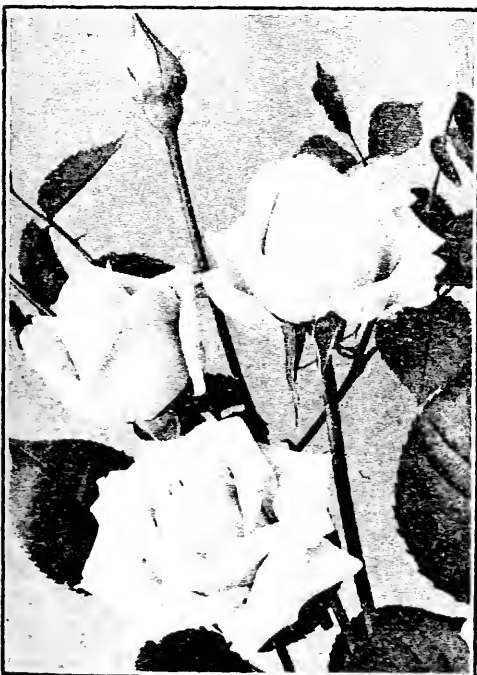
Crimson, covered with a wreath of crimson flowers all summer.

BABY THOUSAND BEAUTIES

Pink, covered with a wealth of pink flowers all summer.

BABY ELGER

Yellow, ever-blooming, yellow sweethearts all summer.



HOLMES'

... TESTED SEEDS ...

OF KNOWN VITALITY AND PURITY

HOLMES'
SPENCER TYPE
MIXED SWEET
PEAS

HOLMES'
MAMMOTH
PRIZE
PANSIES

ETCHER CO. ROCHSTER, N. Y.

FOR FULL DESCRIPTION OF THIS COLLECTION SEE SECOND PAGE OF COVER.

HOLMES SEED CO.

106-108 SOUTH SECOND STREET,
HARRISBURG, PA.